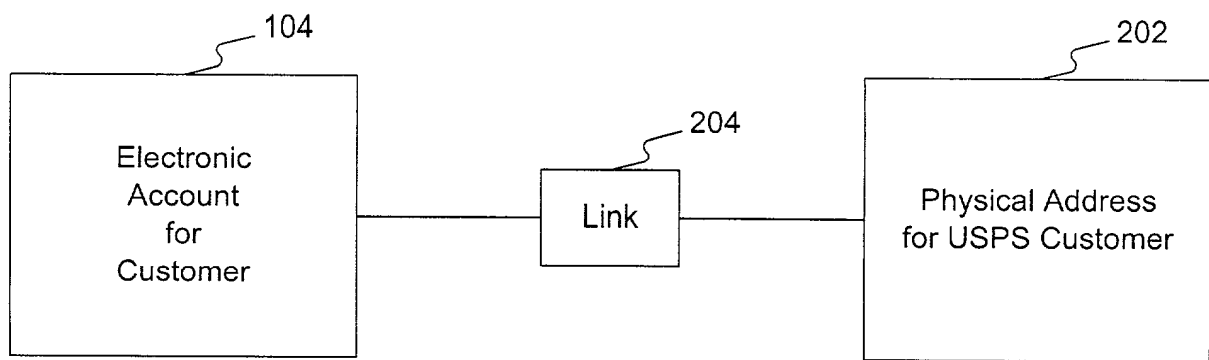
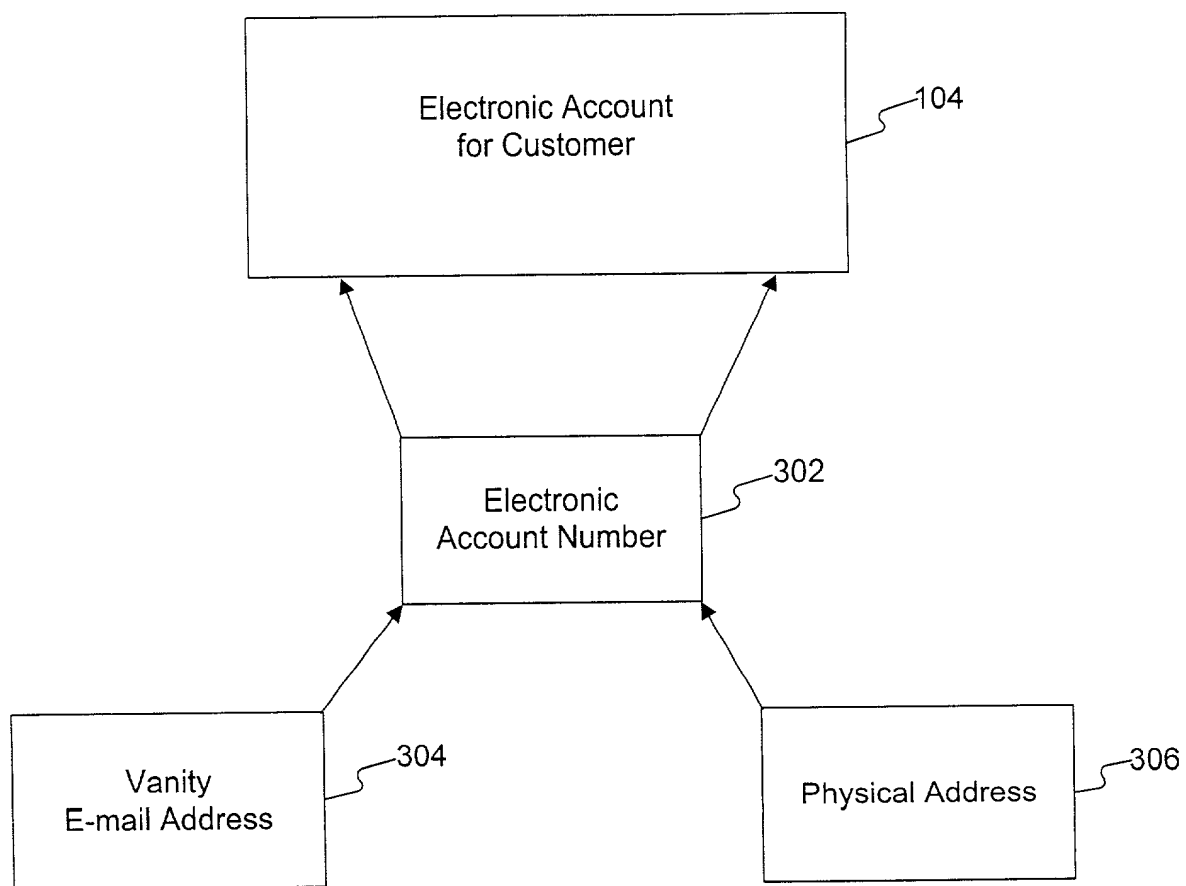


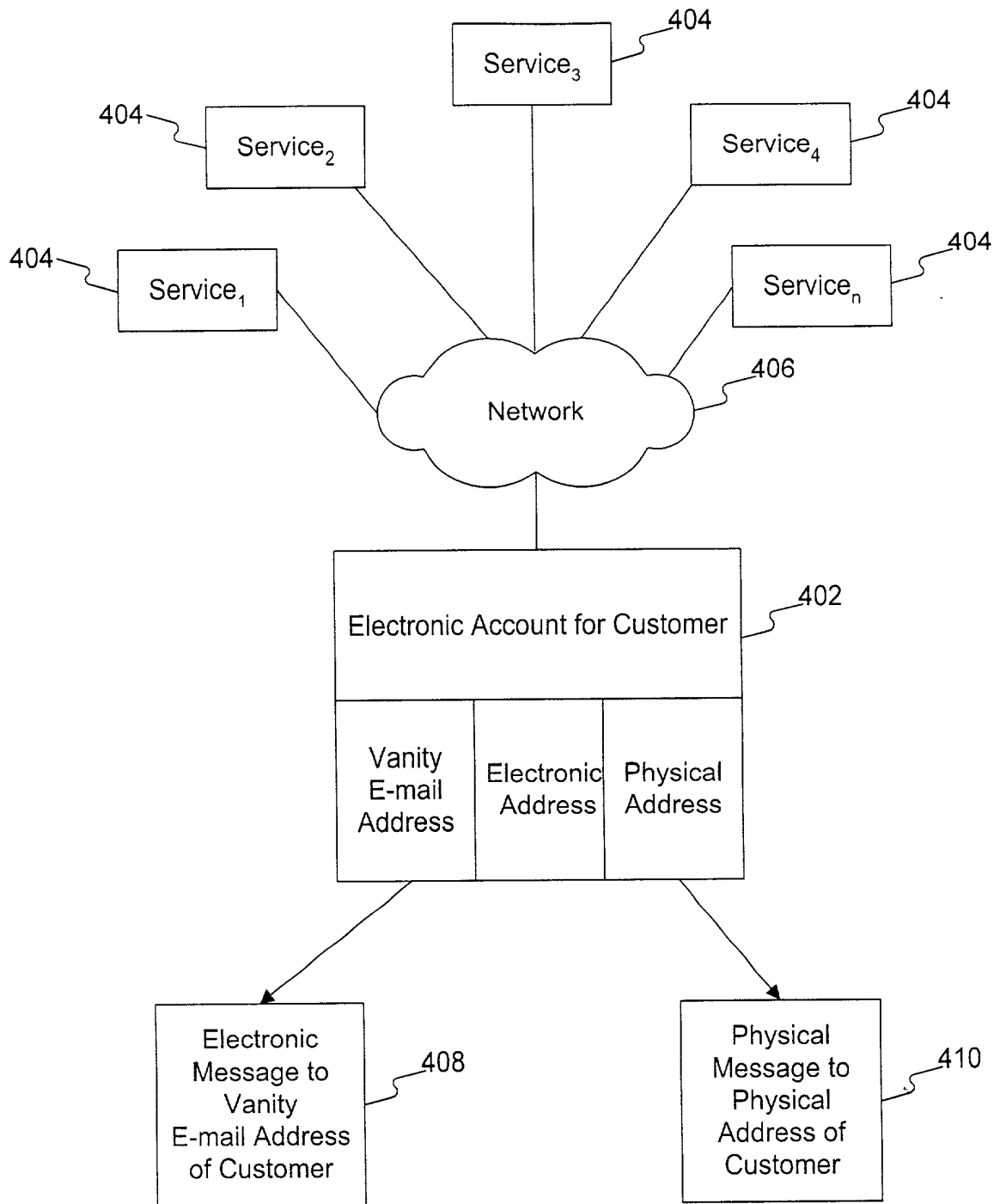
**Figure 1**



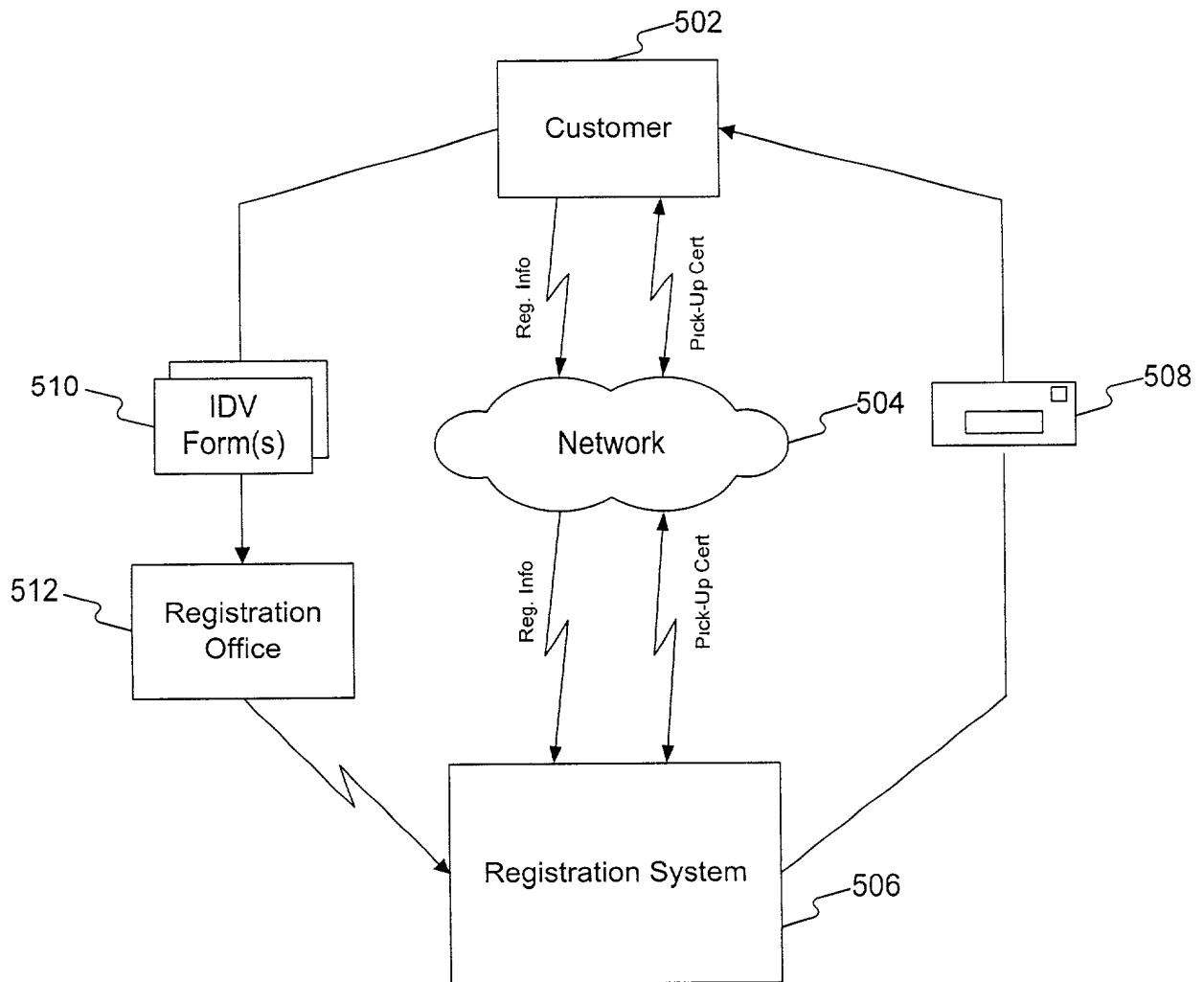
**Figure 2**



**Figure 3**



**Figure 4**



**Figure 5A**

# SECURE ELECTRONIC MAILBOX

004AA0AAAD2T30008

## Identity Validation Form

STEP 1

**Instructions** Verify all the information listed in the Identity Validation Documents section below. If you find any discrepancy between information listed on this form and your actual Identity Validation Documents, please call 1-800-344-7779 and speak with a customer care agent. If all information is accurate, take the Identity Validation Documents along with this form to the post office listed below on or before 01/28/2000. You must complete the in-person validation before this date, or you will be required to restart the application process. Please do not sign, deface, bend, or otherwise mark this form except in the presence of a postal clerk at the designated post office.

For Official USPS Use Only

Place Round Date Stamp Here

### Closest Post Office

UNITED STATES POSTAL SERVICE  
458 LENFANT PLZ SW  
WASHINGTON DC 20024-2114

### Residential Address

MR. WILLY WONKA  
3 2 CENTRAL PARK W APT 14U  
NEW YORK NY 10025-5868

USPS EMAIL ADDRESS: demotest200

**Identity Validation Documents** Postmaster: The customer must provide the identity documents listed below. Verify that the bearer presents all information exactly as it appears on this form. If there is any discrepancy, this form is null and void.

DATE OF BIRTH: 01/01/1961

Validate

☐

PHONE BILL: ☐

DRIVERS LICENSE: 987654

NY

☐

EXPIRATION: 01/01/2001

☐

**Oath and Signature** I certify that the statements made by me are true and complete. I understand that furnishing false or misleading information on this form or omitting material information requested on this form may subject me to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including multiple damages and civil penalties). (18 U.S.C. 1001 and 31 U.S.C. 3802)

Signature of Applicant:

Date:

**Privacy Statement** The collection of this information is authorized by 39 U.S.C. 403 and 404. This information will be used to provide the applicant with Secure Electronic Mailbox service requested. As a routine use, the information may be disclosed to the U.S. Department of Justice or to other counsel representing the Postal Service, or may be disclosed in a proceeding before a court or adjudicative body before which the Postal Service is authorized to appear; to an expert, consultant, or other individual who is under contract to the Postal Service to fulfill any agency function, but only to the extent necessary to fulfill that function; to a Federal Records Center for storage prior to destruction

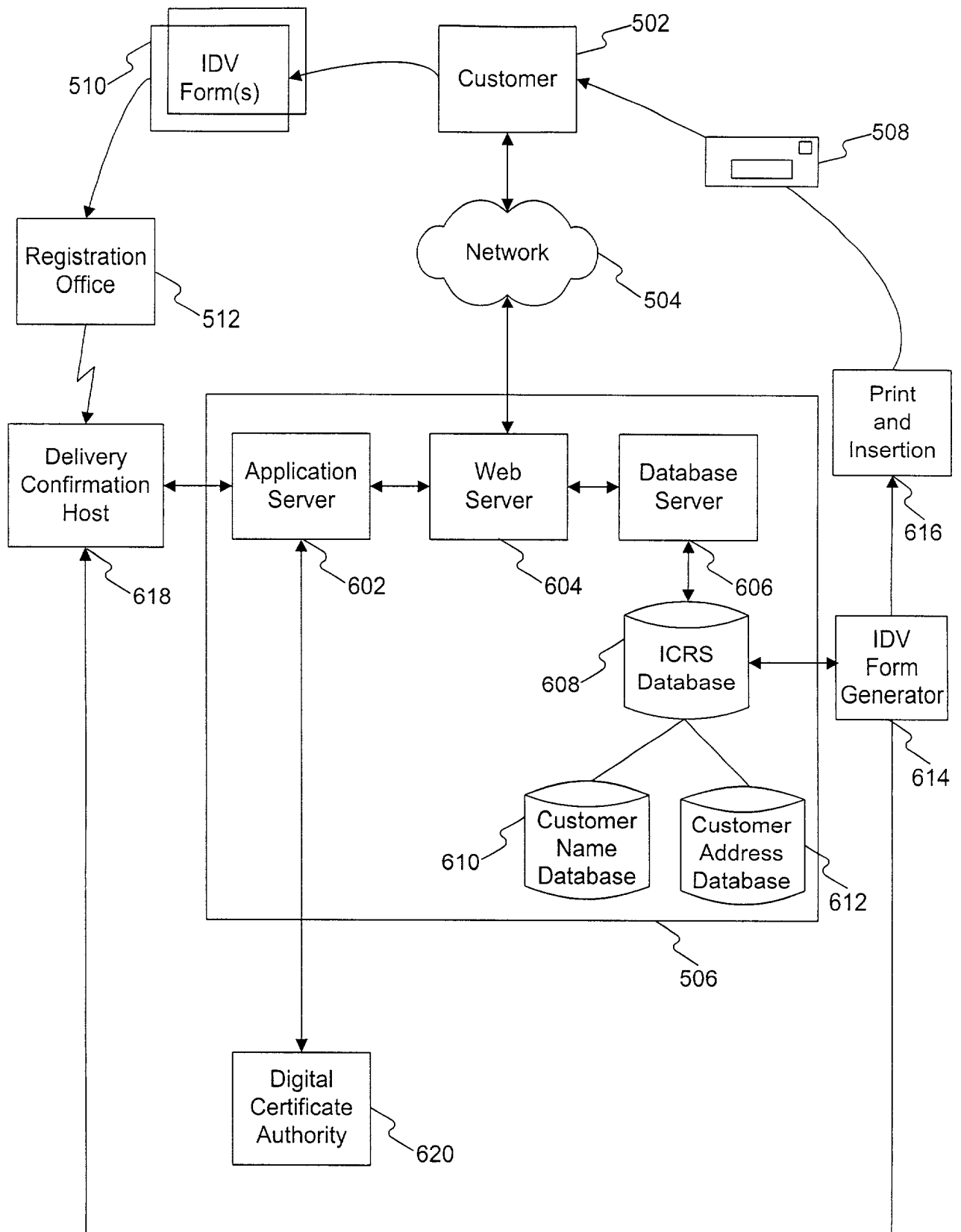
**Warning** The furnishing of false or misleading information on this form or omission of material information may result in criminal sanctions (including fines or imprisonment) and/or civil sanctions (including multiple damages and civil penalties) (18 U.S.C. 1001).

01 / 08 / 2000

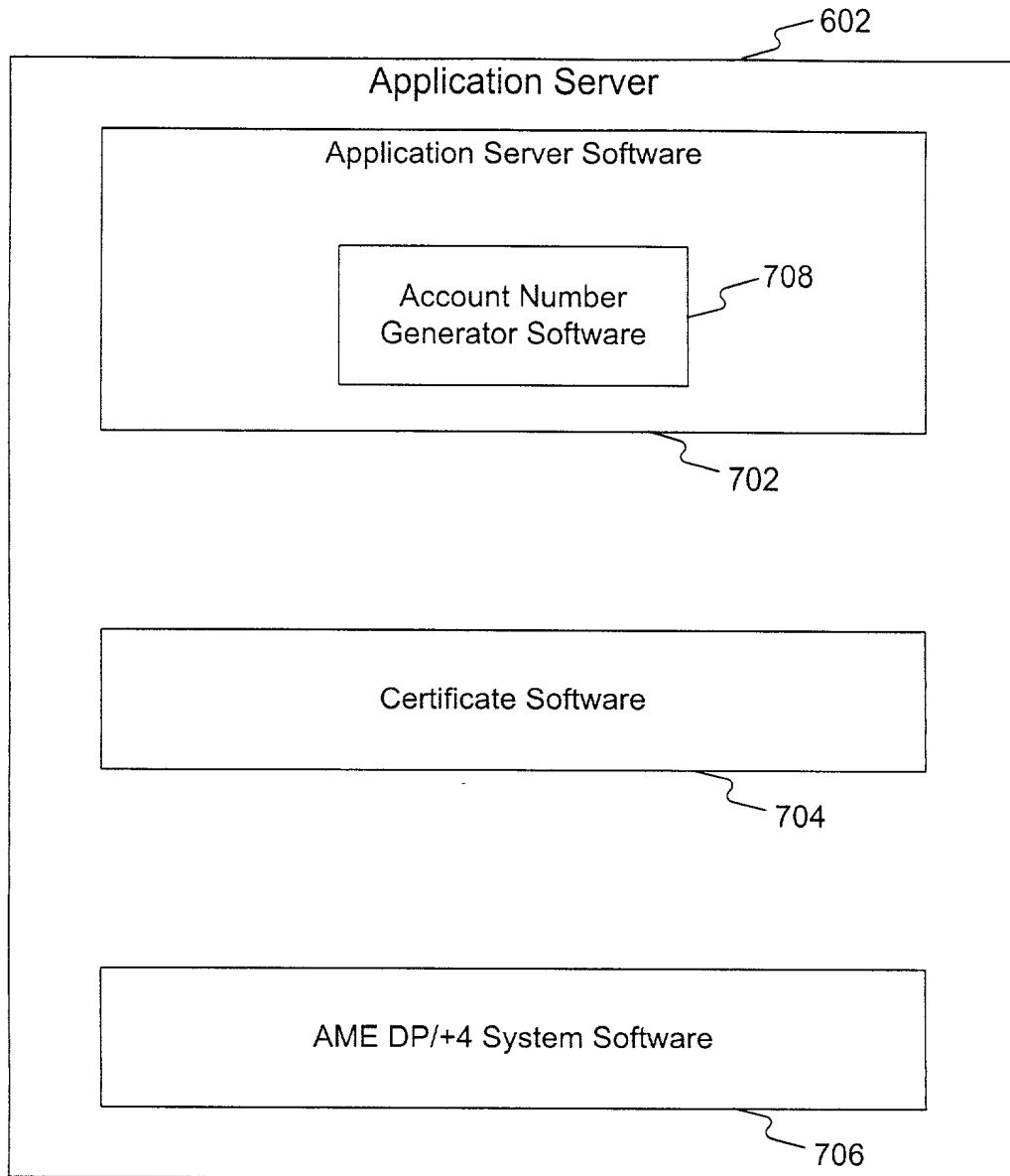


Customer Copy - Retain For Your Records.

Figure 5B



**Figure 6**

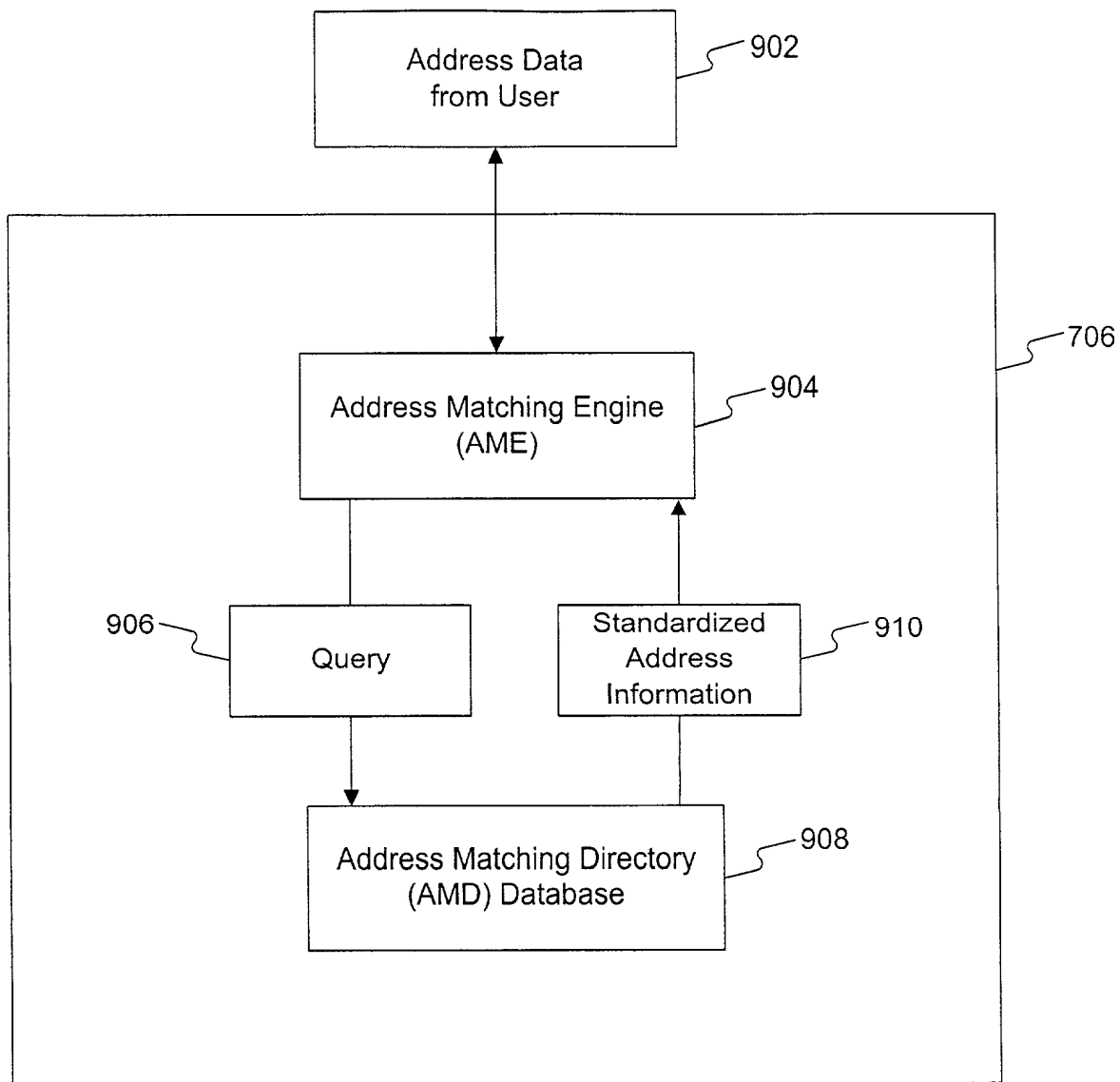


**Figure 7**

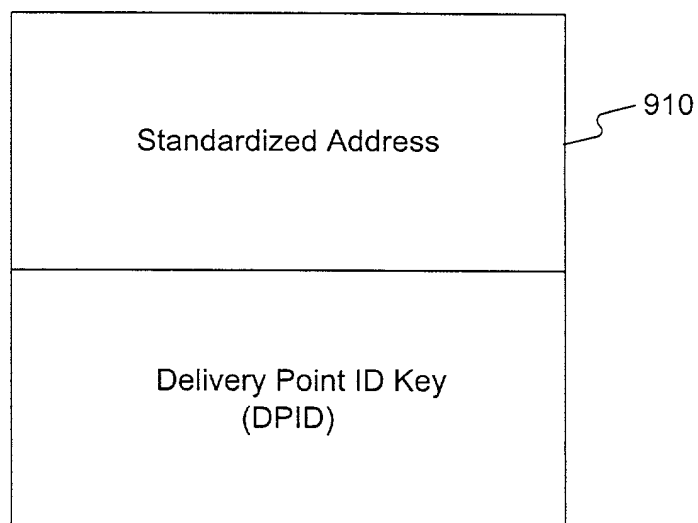


AAANAAANAC	802
AAANAANAAC	
AAANANAAAC	
AANAAANAAC	
AANAANAAAC	
ANAAANAAAC	

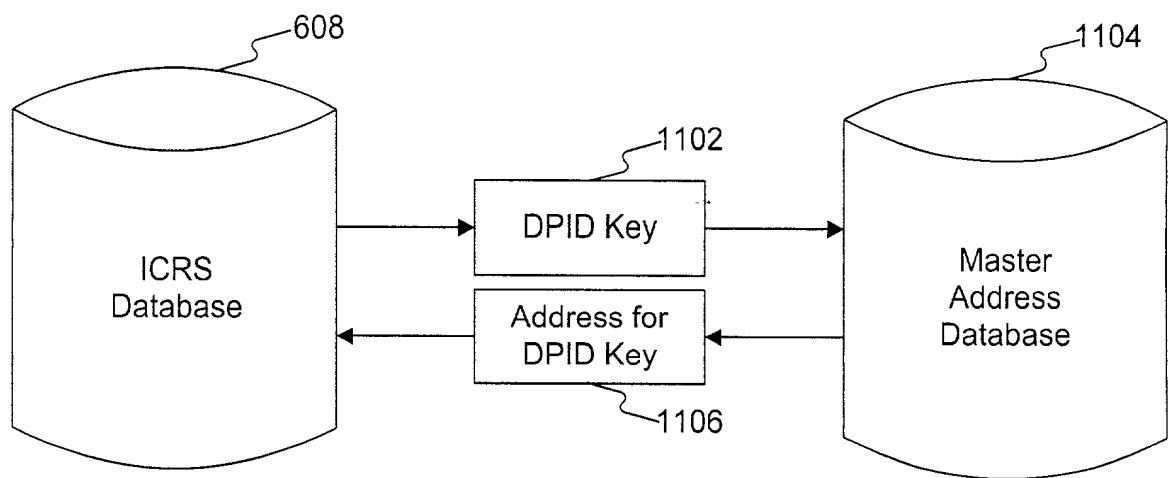
Figure 8



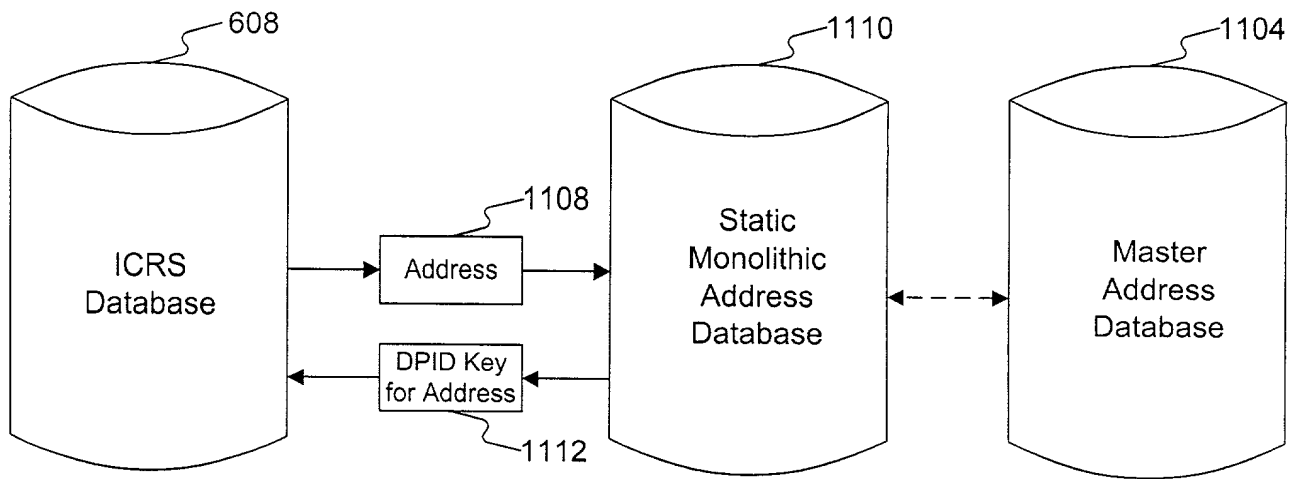
**Figure 9**



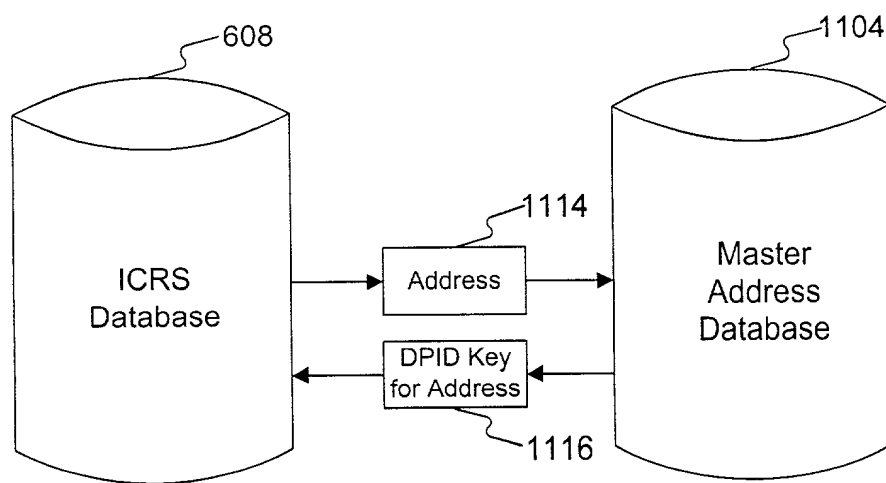
**Figure 10**



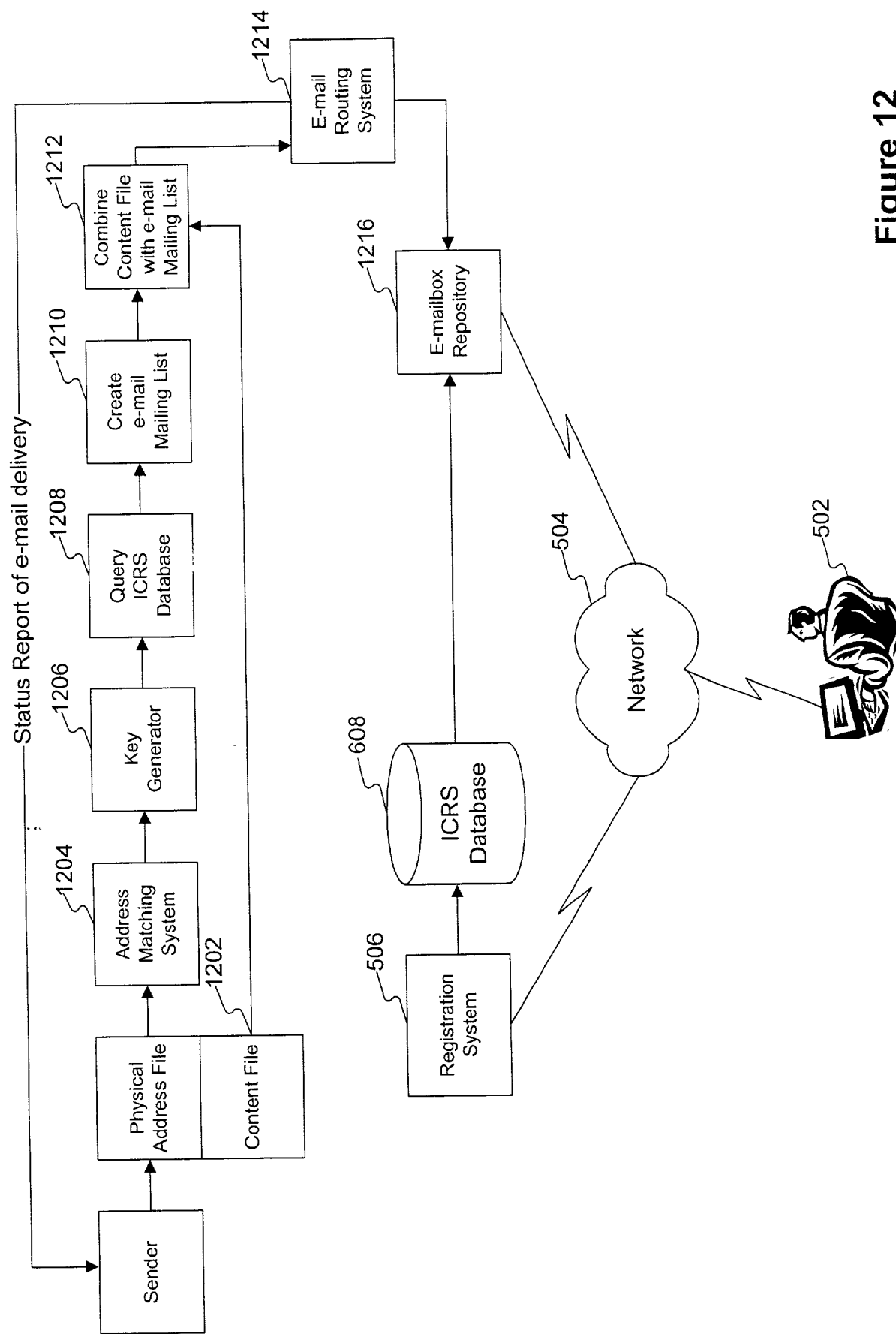
**Figure 11A**

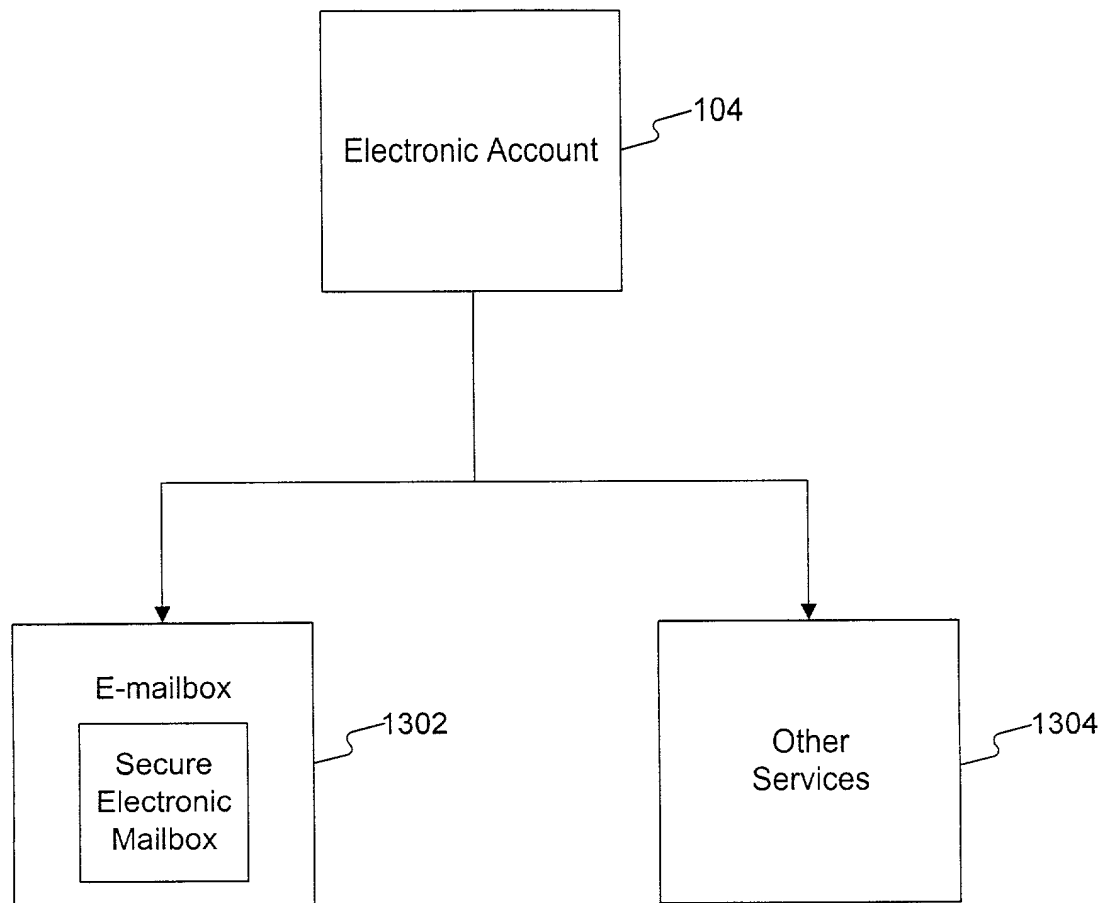


**Figure 11B**



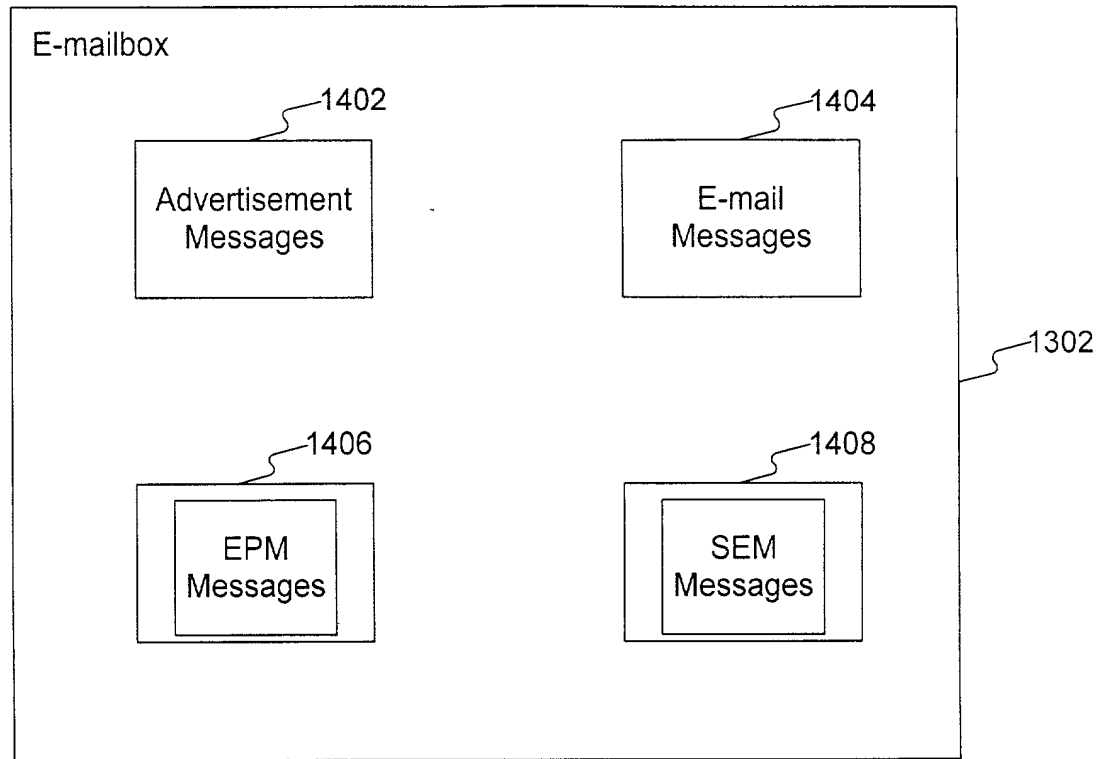
**Figure 11C**





**Figure 13**





**Figure 14**

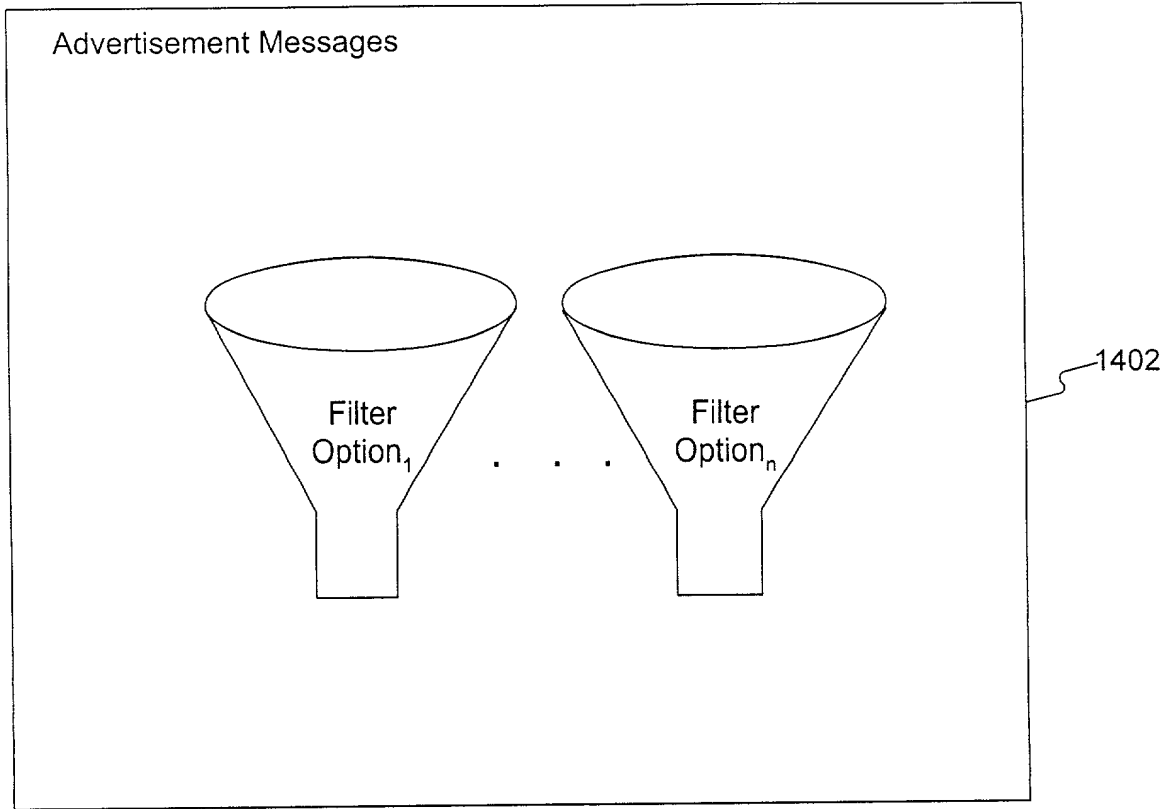


Figure 15

E-Mail Messages

In Box

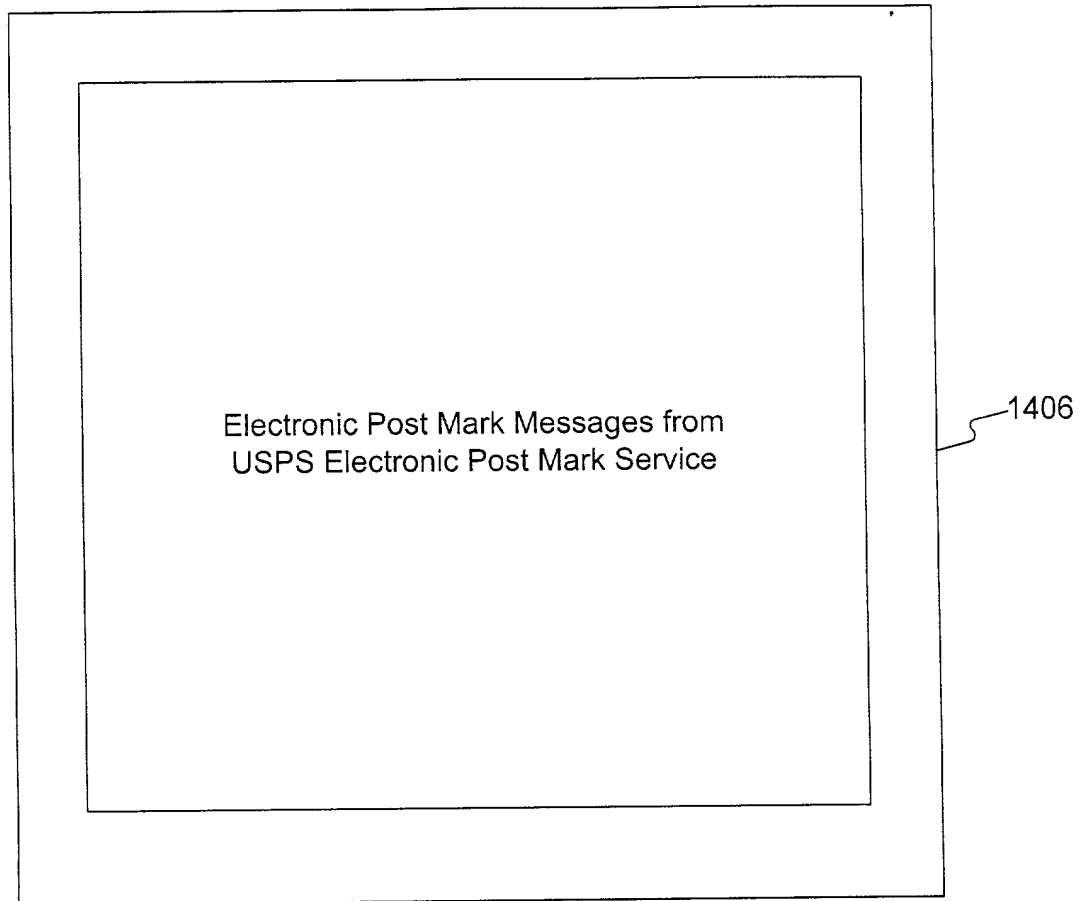
Out Box

Trash

1404

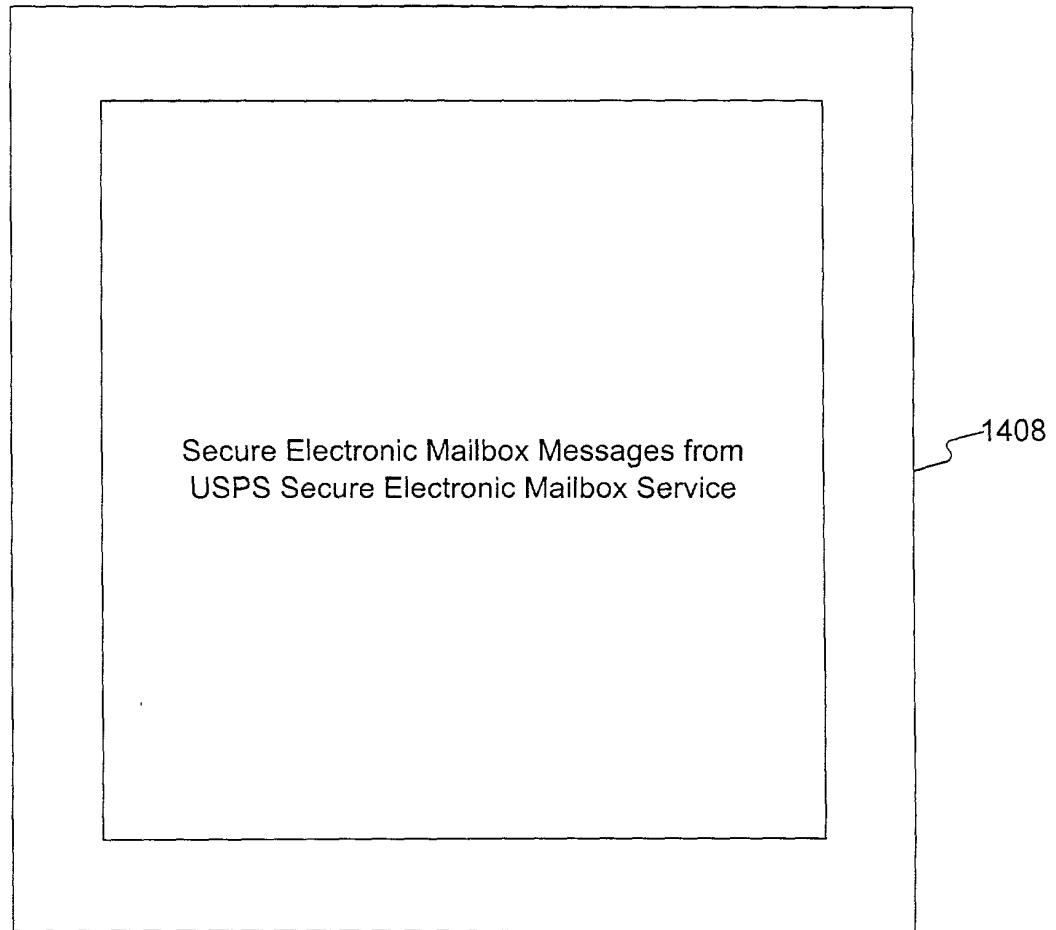
Figure 16

USPS Electronic Post Mark Service



**Figure 17**

USPS Secure Electronic Mailbox Service



**Figure 18**

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The United States Postal Service is an Equal Opportunity Employer. Minorities and women are encouraged to apply.



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## SECURE ELECTRONIC MAILBOX

### Overview

The Secure Electronic Mailbox (SEM) will combine many of the mail services you already receive with the speed and accessibility of the World Wide Web. You can receive your bills, correspondence, catalogues, statements, etc., at a secure Web site.

The United States Postal Service SEM will provide a safe, secure way to transport electronic messages, bills, etc., as a trusted third party. The SEM will incorporate digital certificates as a means of authenticating authorized access of mailbox content. Certificates will be given at the time of SEM registration. The same certification could be used to authenticate the user for other Internet-based applications such as access to government services. The SEM will offer these services:

- A unique, permanent email address
- User-friendly mailbox for organizing all incoming messages
- The ability to receive targeted ad mail
- Electronic bill paying services that allow you to schedule your payments
- Trusted third party handling of mailbox contents
- Secure login that ensures only you have access to your mail
- The postmark on your mail verifies its integrity
- SEM is the gateway to secure on line ordering, completion, and transmission of government documents and forms

Figure 19A

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## SECURE ELECTRONIC MAILBOX

### Application Procedures

Please follow the instructions below to register for your SEM. There are three steps: the first is an online process; the second is an in-person validation, and the third is an online final activation.

**NOTE:** The computer to which you download your digital certificate is the only computer with which you can access your secure SEM.

#### STEP 1. ONLINE APPLICATION

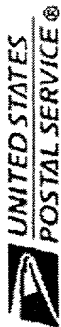
The first step in the process is to complete and submit our user-friendly application form. All the following information will be required, so you may want to have it handy before you begin.

- Full name
- Date of birth.
- Residential address.  
PO box, general delivery, and CMRA addresses are not acceptable.
- Mailing address (only required if different from residential address).  
PO boxes and general delivery are acceptable; CMRA addresses are not
- Email name choice.  
A primary name containing 3 - 20 alphanumeric characters (no special characters such as hyphens, dots, asterisks, etc., allowed)
- Identity document(s)  
You must provide two forms of identity from drop-down lists provided on the online application. One must contain your photograph and a traceable control number: driver's license, state ID, passport, or military ID. The second must contain your name and residential address as they appear on this application
- Telephone number(s).  
(Work phone number not required)

Figure 19B







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## SECURE ELECTRONIC MAILBOX

If you need help or additional information during this application process, call your USPS customer care agent at 1-800-344-7779.

### Privacy Statement

THANK YOU for using the Postal Service's Secure Electronic Mailbox (SEM) and reviewing our privacy policy. The USPS is acutely aware and sensitive to the privacy concerns of our subscribers. Your privacy is of great importance to us, and the SEM has been developed with that in mind. The USPS will collect personal information from users of the SEM but will do so only to authenticate the user's identity, thereby providing trust and integrity in its public certification services. If you have any questions regarding this Privacy Policy, please call 1-800-344-7779.

NOTE: The SEM contains links to other web sites. The USPS makes no representations with respect to the privacy practices, privacy statements, or otherwise regarding such other web sites.

#### Use and Retention of Personal Information:

- Personal identifiable information is collected to bind the user's identity to a public/private key pair which is necessary to access SEM. The information is also used to link the subscriber's email address with a physical mailing address that will be kept confidential.
- When we ask you to provide personally identifiable information in order to take advantage of a postal product or service and we maintain that information, you will review a Privacy Act statement before transmission of your information to us telling you the purposes for collecting the information and the potential uses of it.
- USPS does not otherwise disclose, sell, or make available personal information.

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## SECURE ELECTRONIC MAILBOX

- From time to time, USPS may notify subscribers of new products, announcements, and upgrades. If you would like to opt-out of being notified in this way, please call 1-800-344-7779.

### Security — Detection of Unauthorized Intrusions:

For site security purposes and to ensure that this service remains available to all users, this government computer system employs software programs to monitor network traffic to identify unauthorized attempts to upload or change information or otherwise cause damage. Except for authorized law enforcement investigations, no other attempts are made to identify individual users or their usage habits.

### Significant Actions When Information Enters a System of Records:

Some of our web sites allow you to purchase postal products and services or request information electronically. In those instances, we will collect the information needed to fulfill your order or request, just as though your order or request had been made on paper. That information will be maintained and protected in accordance with the Privacy Act, 5 U.S.C. 552a, which means that it will be secured in transit to us and upon receipt. Before transmitting the information to us, you will be given a Privacy Act statement that tells you the purpose for collection and the potential disclosures that may be made of the information you provide. We will let you know those circumstances in which it may be necessary to make a disclosure, such as to fulfill your order, to a government agency for law enforcement or other official need. Under the Privacy Act, we are barred from otherwise disclosing the information.

### System Requirements

An Internet connection through Netscape version 4.05, 4.06, 4.5, 4.6, or 4.7 or higher is required for this demonstration. For optimum readability, your monitor's resolution should be set at 800 x 600.

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## SECURE ELECTRONIC MAILBOX

### Certification Practice Statement and Security Policy

The Certification Practice Statement controls the provision and use of the USPS's certification services, including certificate application, application validation, and certificate insurance, acceptance, use, suspension, and revocation.

The USPS Secure Electronic Mailbox (SEM) provides a secure environment for customers to conduct business on the Internet. The USPS has taken strong measures to protect the security of your personal information. This site uses 128-bit Secure Socket Layer (SSL) encryption technology, which is the best currently available. With SSL, all information transmitted across the Internet between you and the USPS is encrypted or scrambled so that it cannot be intercepted, tampered with, or misused by any third party.

The SEM also incorporates public key technology, which enables digital signature and user digital certificates. A digital signature provides the additional security of authentication. Both sender and receiver may wish to verify the identity of the other party. In the digital world, this can be achieved using public key digital certificates to create digital signatures. Certificates bind individuals to their private key, which can be authenticated using a corresponding public key.

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Figure 19F



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## SECURE ELECTRONIC MAILBOX

### Individual Information

STEP 1

Please provide the information below. All information will be held in the strictest confidence in accordance with our Privacy Statement.

Name	<input type="text" value="Mr."/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Select One"/>
	Title	First	MI	Last	Suffix Title
	<input type="text" value="Month"/>	<input type="text" value="Day"/>	<input type="text" value="Year"/>		
	Date of Birth				
	<input type="text"/>		<input type="text"/>		
	Home Phone		Work Phone		

### USPS Email Address Selection

Please enter an email address with 3 to 20 alphanumeric characters and a password with 8 to 20 characters (no special characters such as hyphens, asterisks, ampersands, etc., are allowed).


Email Choice	<input type="text"/>	<input type="text"/>	<input type="text"/>
	First Choice	Second Choice	Third Choice
	<input type="text"/>	<input type="text"/>	
	Password	Re-enter Password	

Please choose your shared secret by selecting a word from each drop-down box below. Then, write it down and secure it in a safe place. You will be required to enter this shared secret during Step 3 to download your Digital Certificate.

Shared Secret	<input type="text" value="Select One"/>	<input type="text" value="Select One"/>	<input type="text" value="Select One"/>
	Adjective	Noun	Verb

Figure 19G

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# SECURE ELECTRONIC MAILBOX

## USPS Email Address Selection

STEP 1

We're sorry. The email addresses you have chosen are unavailable. May we make a few suggestions?

☐ demotest28

☐ demotest29

☐ demotest30

☐ demotest31

☐ demotest32

☐ demotest33

☐ Try another entry

Figure 19H







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## SECURE ELECTRONIC MAILBOX

### Information Review STEP 1

Please review the following information. To make changes, check the box next to the sections you wish to modify, then click the Edit button. If all the information is correct, we highly recommend you print this information and store it in a secure place. Click Print Info for instructions on printing this information.

<input type="checkbox"/>	USPS Email Address:	DEMOTEST33
<input type="checkbox"/>	Name:	MR. JOHN DOE
<input type="checkbox"/>	Home Phone:	(801) 681 - 4650
<input type="checkbox"/>	DOB:	Feb 3, 1980
<input type="checkbox"/>	Password:	BOGART099
<input type="checkbox"/>	Shared Secret Code:	GOODEY INFINITY LED
<input type="checkbox"/>	Residential Address:	4167 HALLVIEW DR MEMPHIS TN 38128 - 3214
<input type="checkbox"/>	Mailing Address:	(Same as Residential Address)
<input type="checkbox"/>	Driver's License No.:	123456
<input type="checkbox"/>	Exp Date:	Feb 2001
<input type="checkbox"/>	State:	TN
<input type="checkbox"/>	Secondary ID:	TELEPHONE BILL

Edit Print Info Continue

Figure 19K





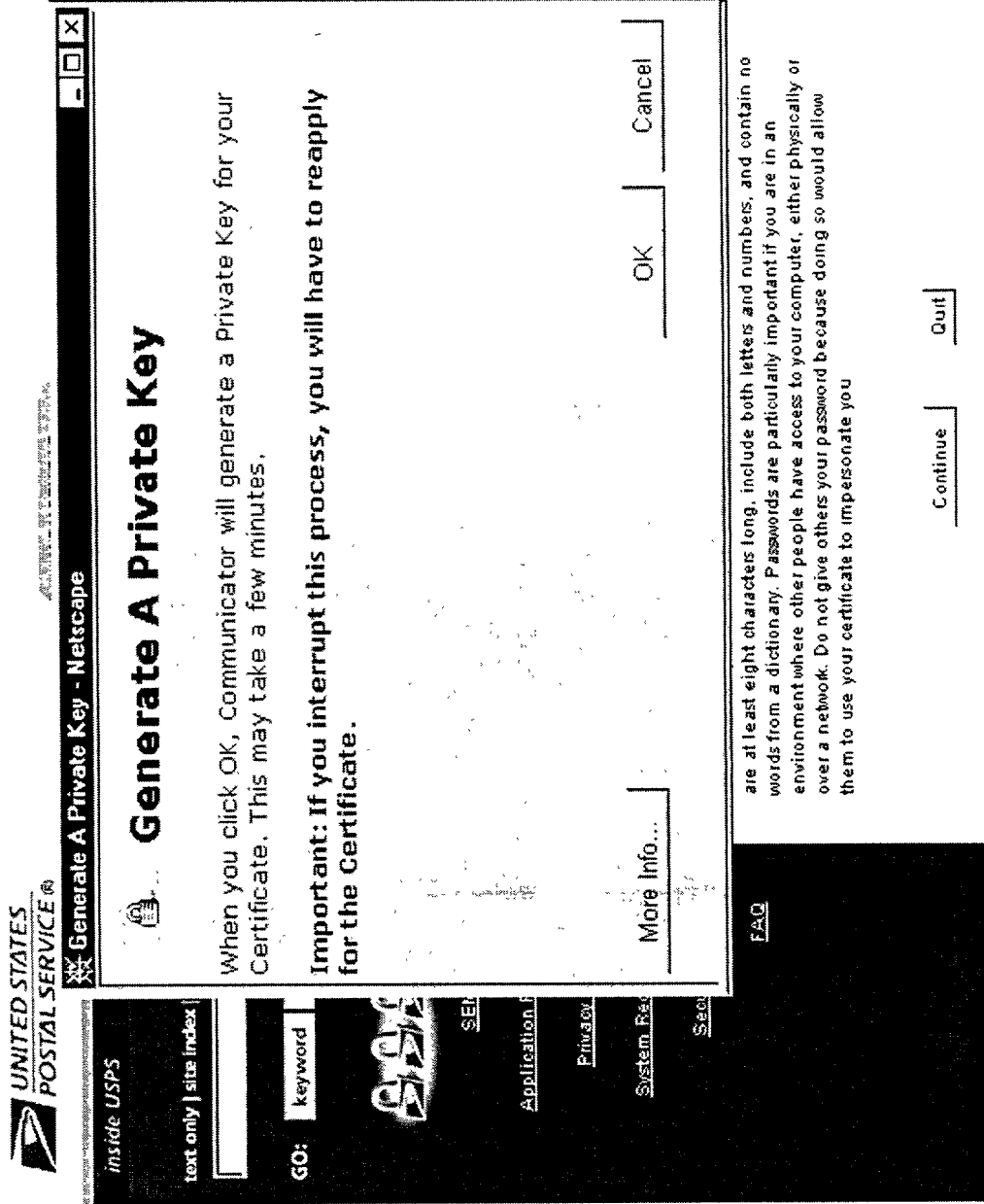


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SE

## Setting Up Your Communicator Password - Netscape

### Setting Up Your Communicator Password

It is strongly recommended that you protect your Private Key with a Communicator password. If you do not want a password, leave the password field blank.

The safest passwords are at least 8 characters long, include both letters and numbers, and contain no words from a dictionary.

Password:

Type it again to confirm:

Important: Your password cannot be recovered. If you forget it,

More Info...

OK

Cancel

FAQ

are at least eight characters long, include both letters and numbers, and contain no words from a dictionary. Passwords are particularly important if you are in an environment where other people have access to your computer, either physically or over a network. Do not give others your password because doing so would allow them to use your certificate to impersonate you.

Continue

Quit

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Setting Up Your Communicator Password - Netscape



## Setting Up Your Communicator Password

You have elected to operate without a password.

If you decide that you would like to have a password to protect your Private Keys and Certificates, you can set up a password in Security Preferences.

OK

are at least eight characters long, include both letters and numbers, and contain no words from a dictionary. Passwords are particularly important if you are in an environment where other people have access to your computer, either physically or over a network. Do not give others your password because doing so would allow them to use your certificate to impersonate you.

Continue

Quit

Figure 190

UNITED STATES POSTAL SERVICE  
The Red and Blue Eagle  
FIRST CLASS PERMIT NO. 1000 NEW YORK, NY  
POSTAGE WILL BE PAID BY ADDRESSEE  
NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES



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## SECURE ELECTRONIC MAILBOX

Process Update STEP 1

### Step 1: You Have Now Completed The Online Application Process

### Step 2: In-Person Identity Validation Process

Your Secure Electronic Mailbox (SEM) is now established but will be in a temporary status (inactive) until you complete the in-person identity validation and pay the SEM fee. On Feb 16, 2000, we will mail your *Identity Validation Form* to your address. You can expect to receive it within three to four days. When you receive the form, take it to the post office designated on the form along with the two forms of personal identification you selected on your application. You must complete Step 2 by Mar 6, 2000, or your SEM will be void, and you will be required to restart the application process. Now, you are ready for Step 3.


### Step 3: Emailbox Activation Process

In one to two days after you complete Step 2, go to [usps.com](http://usps.com) and click the Activation Status link. If your SEM is ready for activation, you will be asked to provide your shared secret. Then, you will receive instructions on receiving your USPS Digital Certificate, which is required to activate your SEM.

Finish

Figure 19P

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BUSINESS MAIL PERMIT NO. 1000 NEW YORK, NY 10108-0100  
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# SECURE ELECTRONIC MAILBOX

## Electronic Mailbox Activation

STEP 3

Please enter your USPS email address

@sem.usps.com

Figure 19Q

UNITED STATES POSTAL SERVICE  
BUSINESS MAIL PERMIT NO. 1000 NEW YORK, NY 10108-0001  
POSTAGE WILL BE PAID BY ADDRESSEE  
NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
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## SECURE ELECTRONIC MAILBOX

### Electronic Mailbox Activation

STEP 3

Welcome, John. Your emailbox account is ready for activation. Please enter your shared secret to begin the Digital Certificate download process. You must complete this process on the same computer that you used to complete Step 1 of the registration process and on which your private key is stored. Please note that this is currently the only computer with which you can access your Secure Electronic Mailbox.

Shared Secret:

Adjective


Noun

Verb

Submit

Figure 19R

UNITED STATES POSTAL SERVICE  
The Red Box is the symbol of the United States Postal Service.



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SECURE ELECTRONIC MAILBOX

Electronic Mailbox Activation

STEP 3


You must read and accept this Certification Practice Statement before accepting or using a Digital Certificate. Clicking the Accept button indicates that you agree to and will abide by all terms and conditions contained therein. Once you click Accept, please follow the Netscape instructions for accepting and downloading the Digital Certificate.

Accept

Quit

Figure 19S




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System

New User Certificate - Netscape



## New User Certificate

You have received a new Certificate. Communicator will refer to this Certificate by the name shown below. You can use the name provided or enter a new one.

Click **OK** to install the certificate into Communicator or click **Cancel** to refuse your new Certificate.

Certificate Name:

John Doe's United States Postal Service ID

Certificate for: John Doe

United States Postal Service

More Info...

Show Certificate

OK

Cancel

Figure 19T

## Figure 19U

## Figure 19V



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## SECURE ELECTRONIC MAILBOX

### Electronic Mailbox Activation

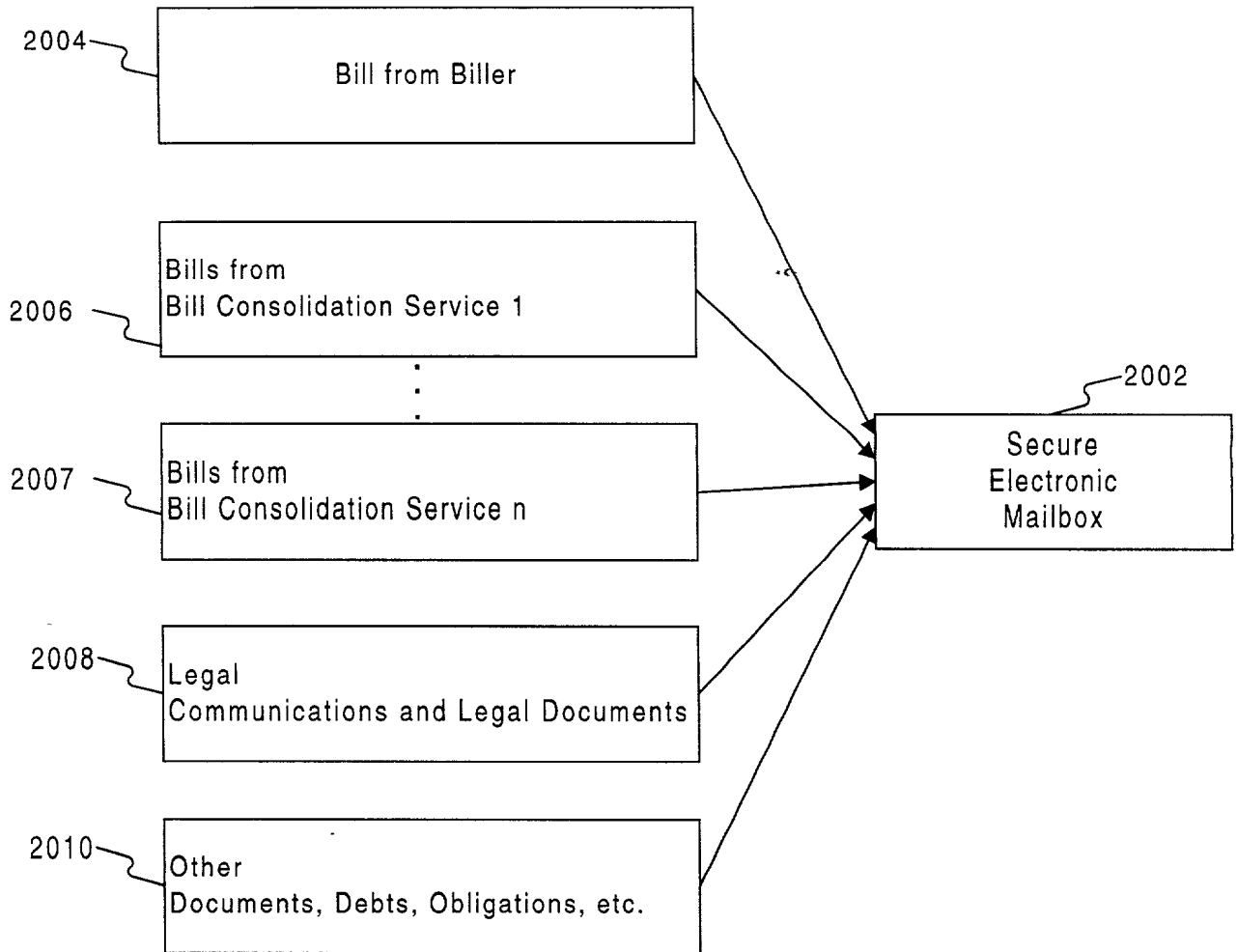
### Congratulations!

You have successfully downloaded your USPS Digital Certificate and the registration process for your Secure Electronic Mailbox is complete. Your input on the SEM registration process is very important to us. Please click Continue and complete a brief feedback form on the next page.

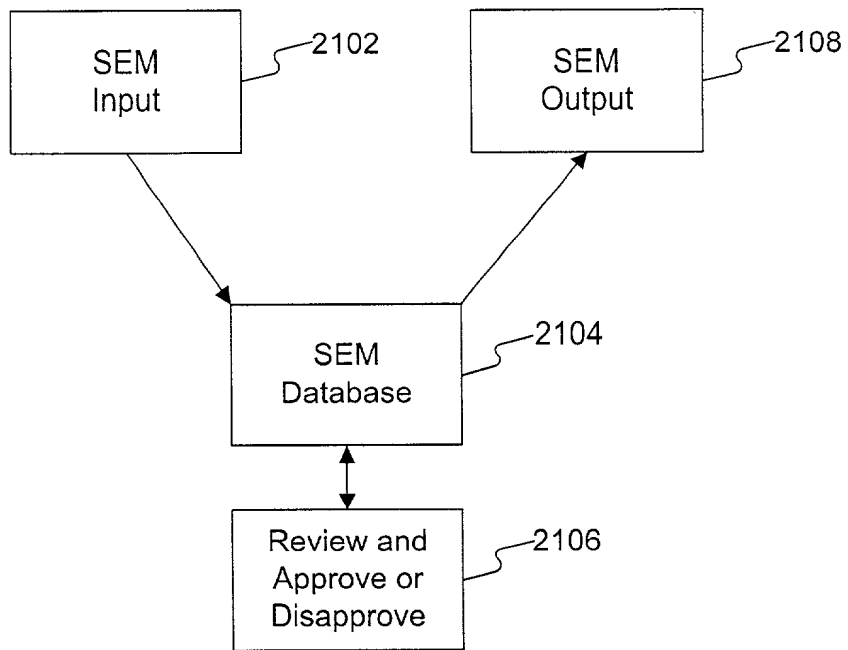
After you complete the form, click Go To Mailbox to view a nonfunctioning sample of the USPS SEM. Visiting the sample site will give you a good idea of the SEM's potential features and functions. Please note that this is not a functional site and many of the links are not operational.

[Continue](#)

Figure 19W



**Figure 20**



**Figure 21**

## Figure 22

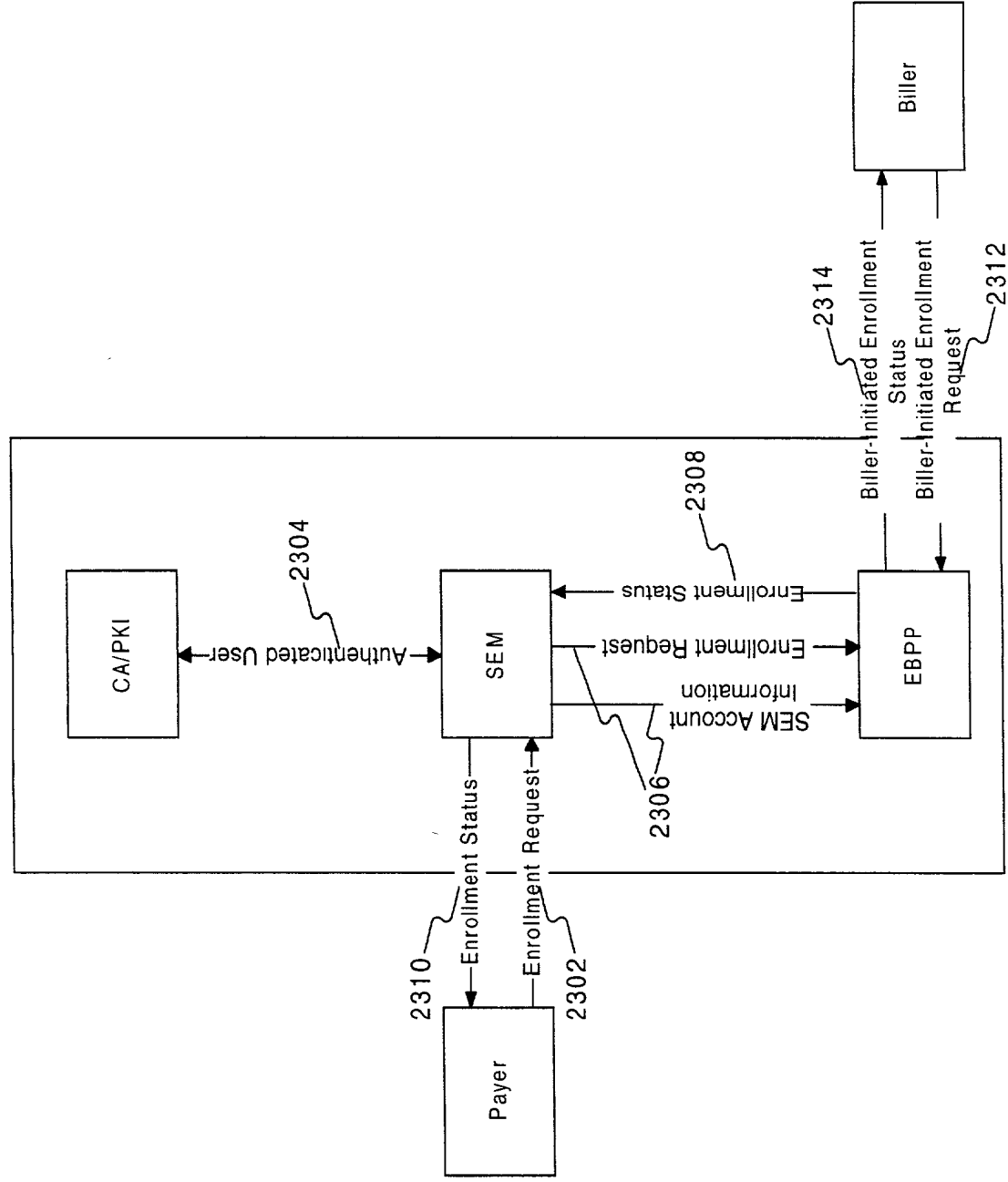


Figure 23



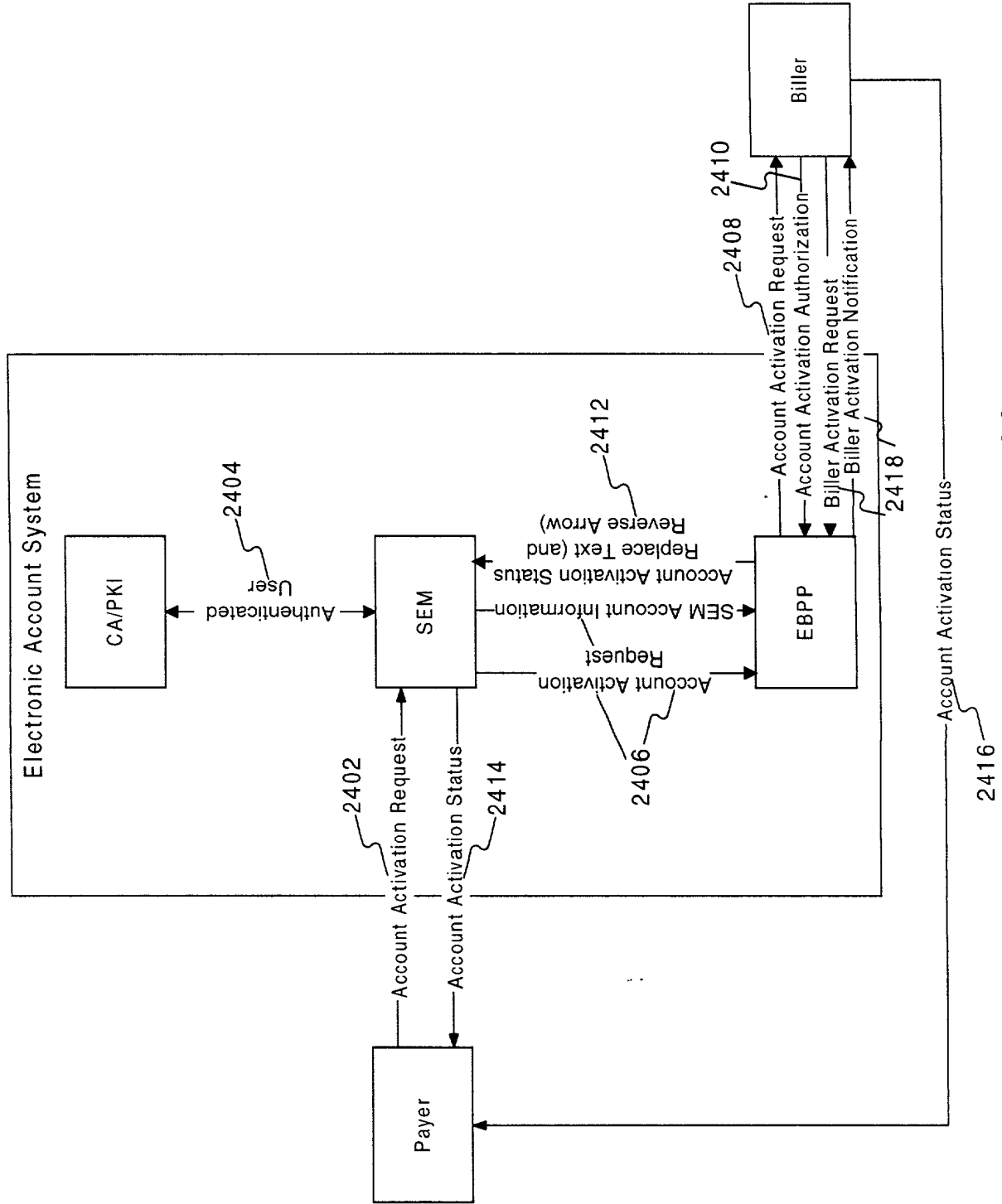


Figure 24

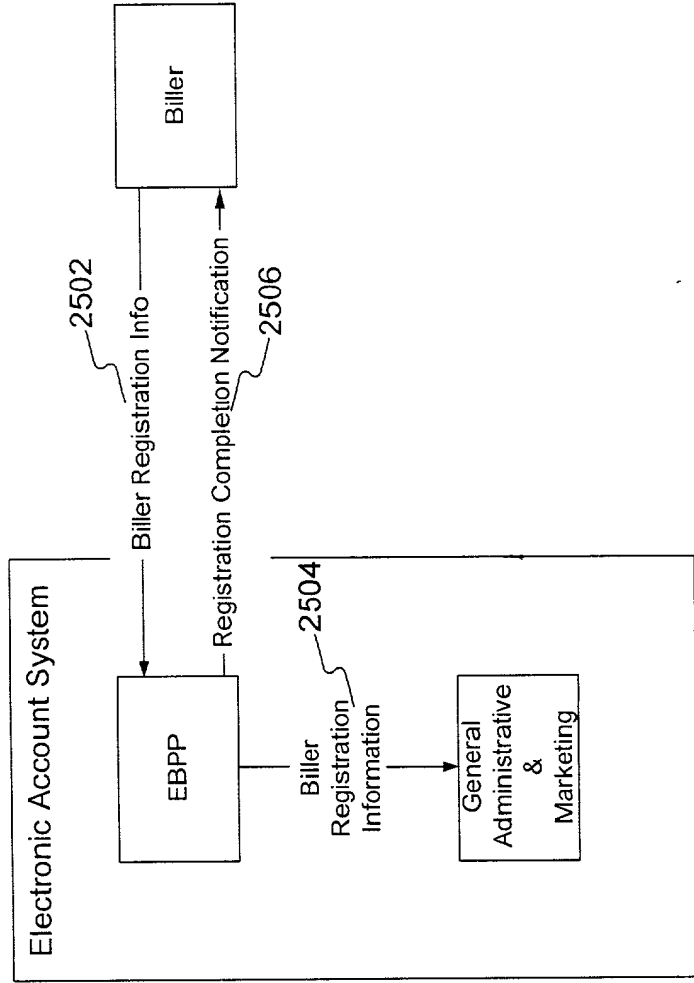


Figure 25

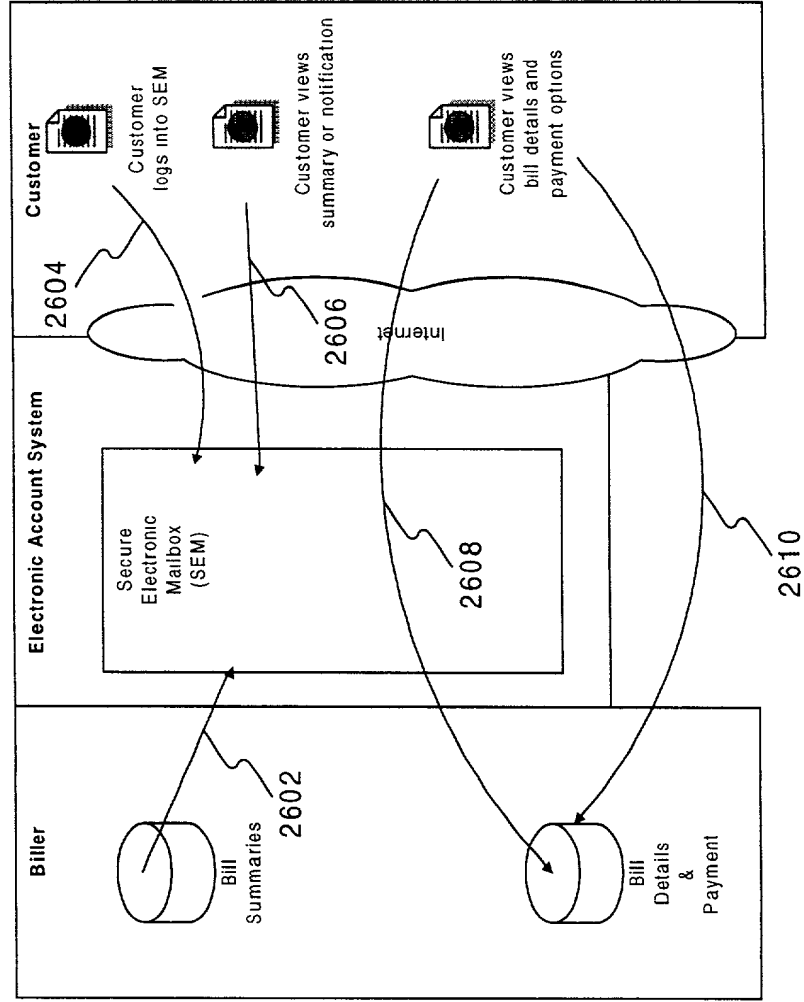


Figure 26

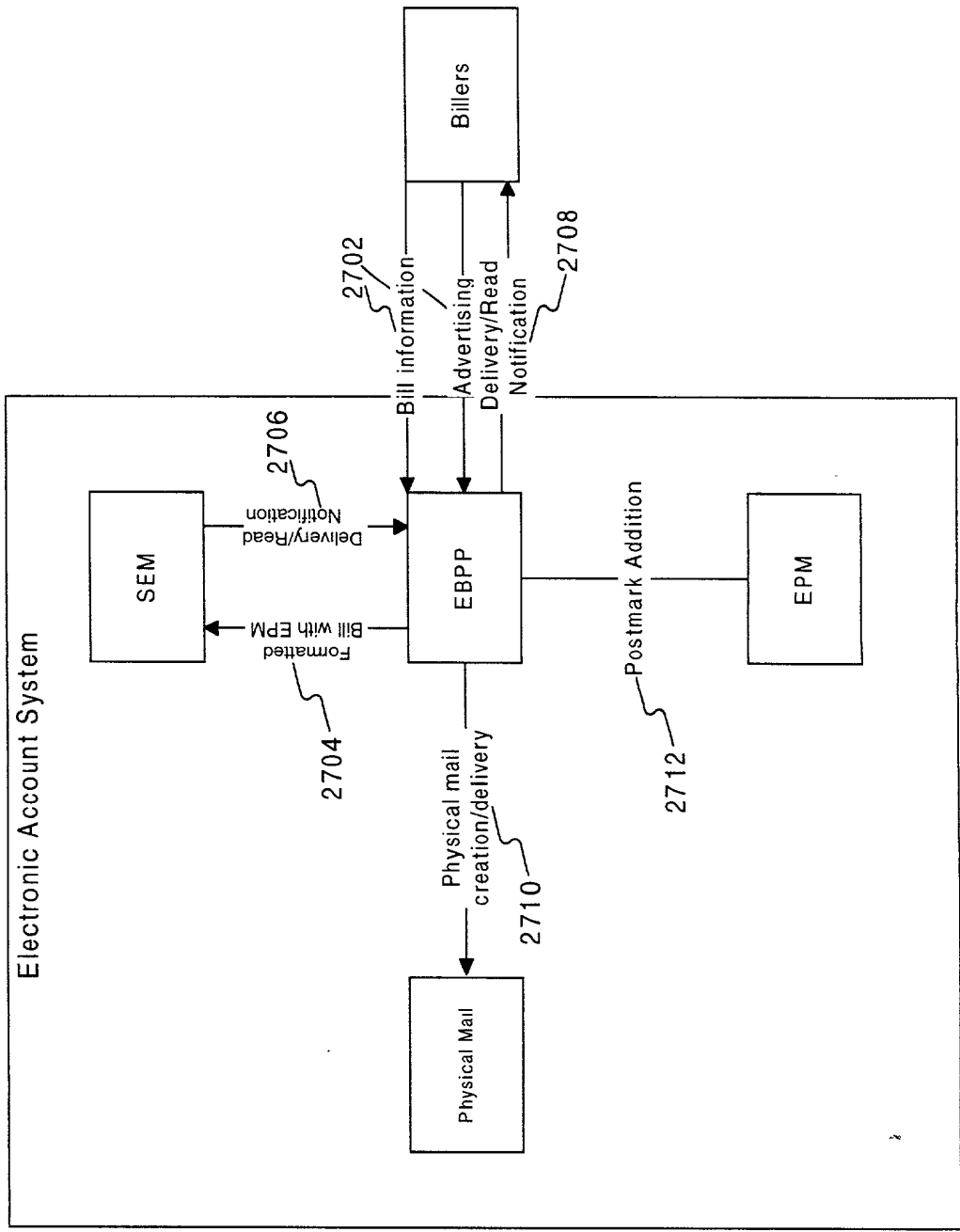


Figure 27

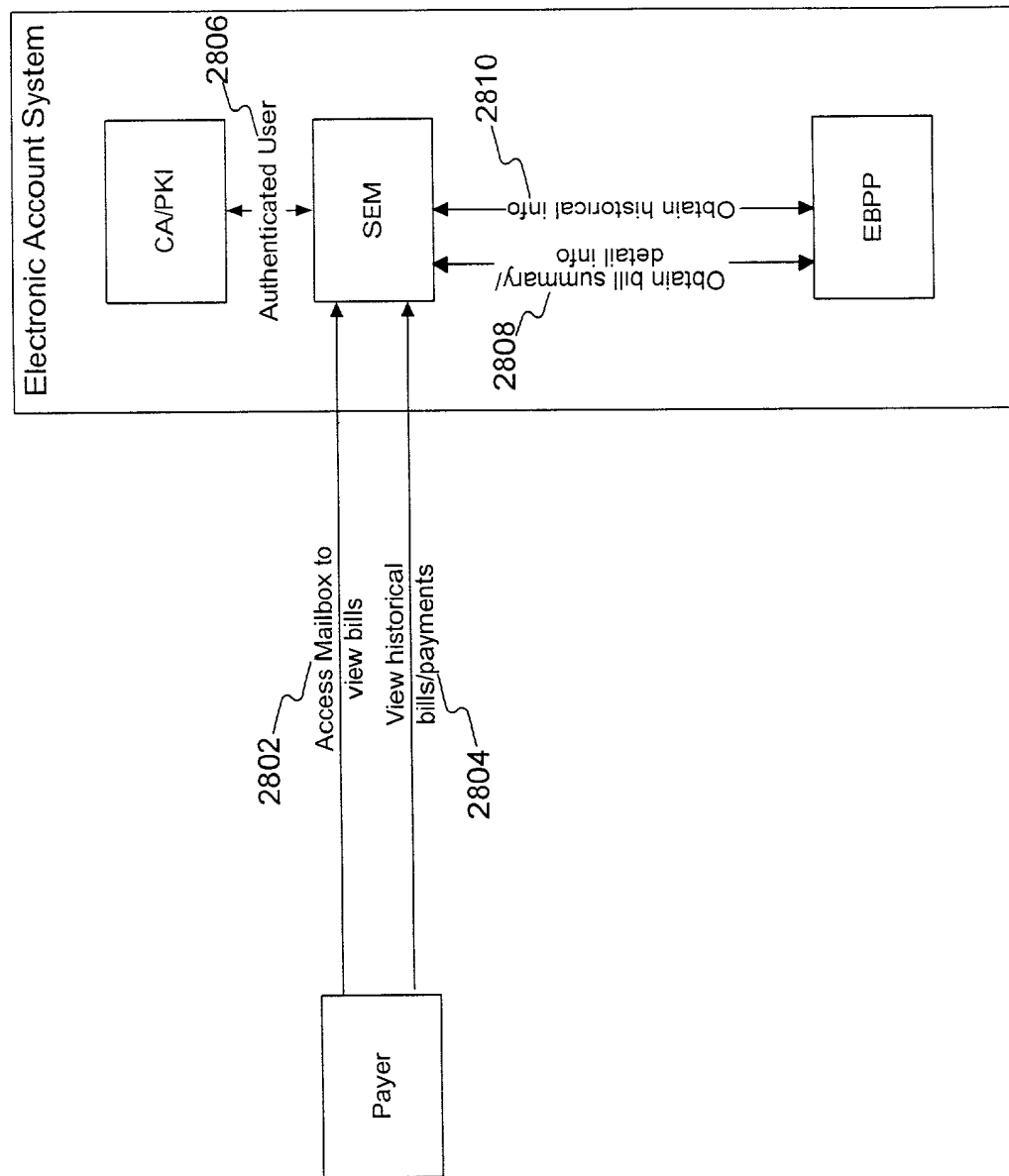


Figure 28

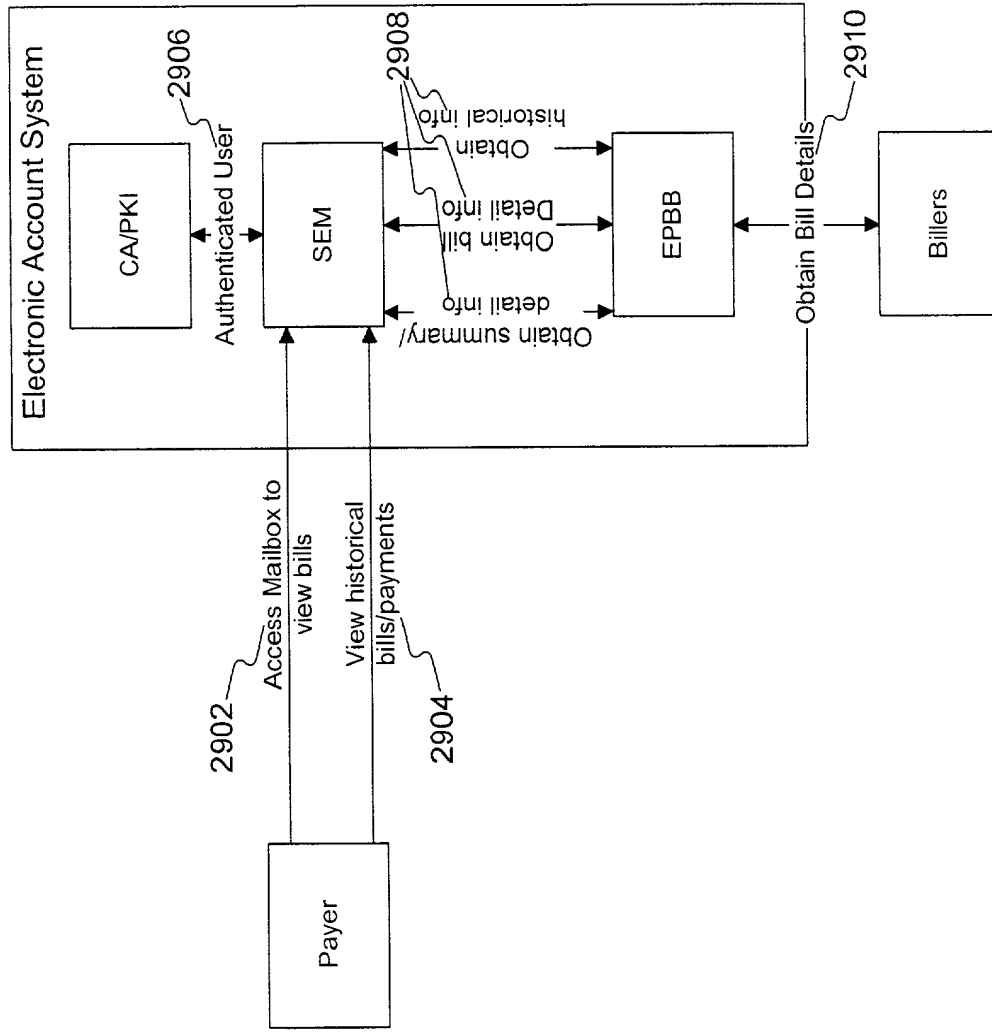


Figure 29

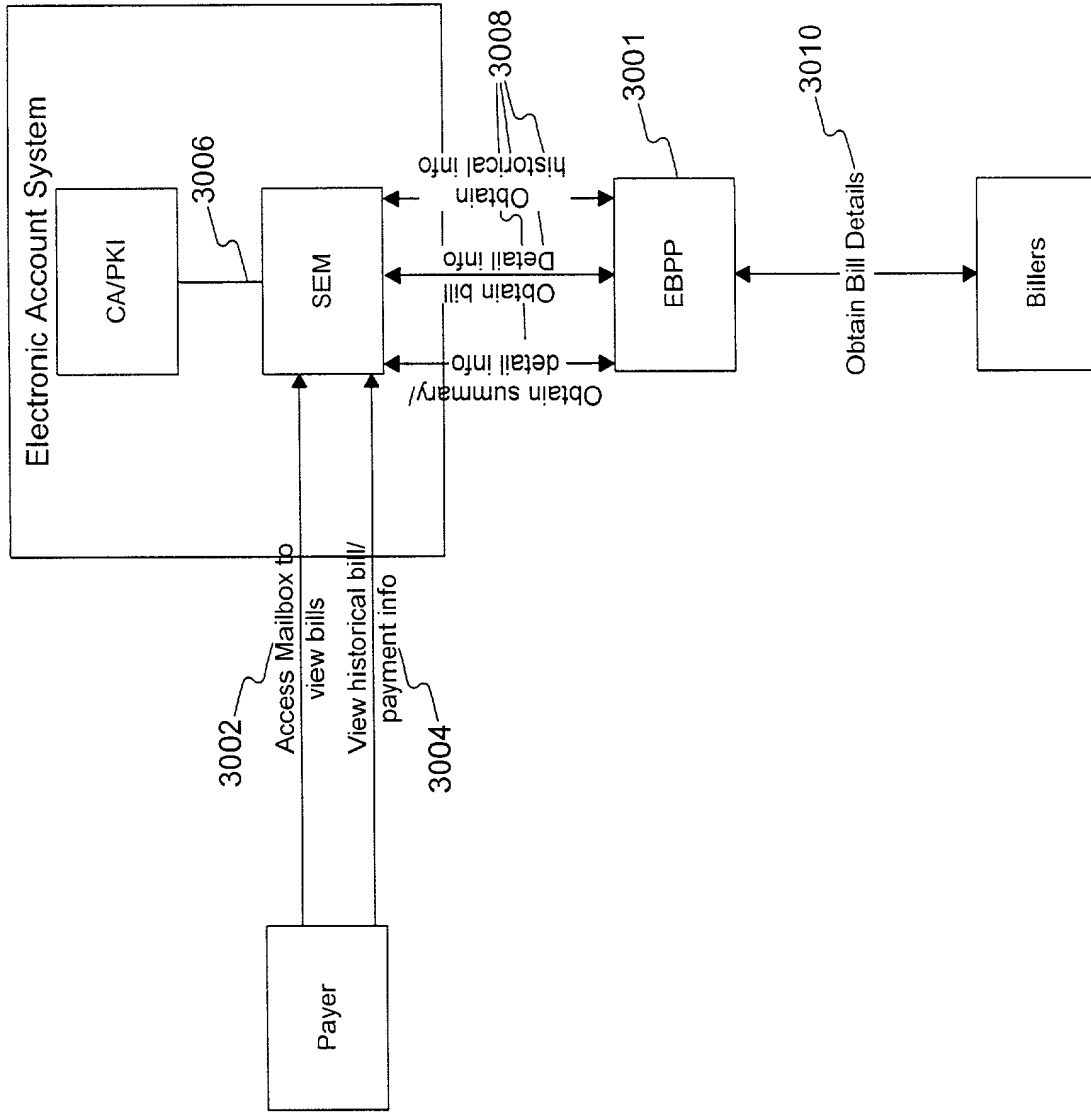


Figure 30

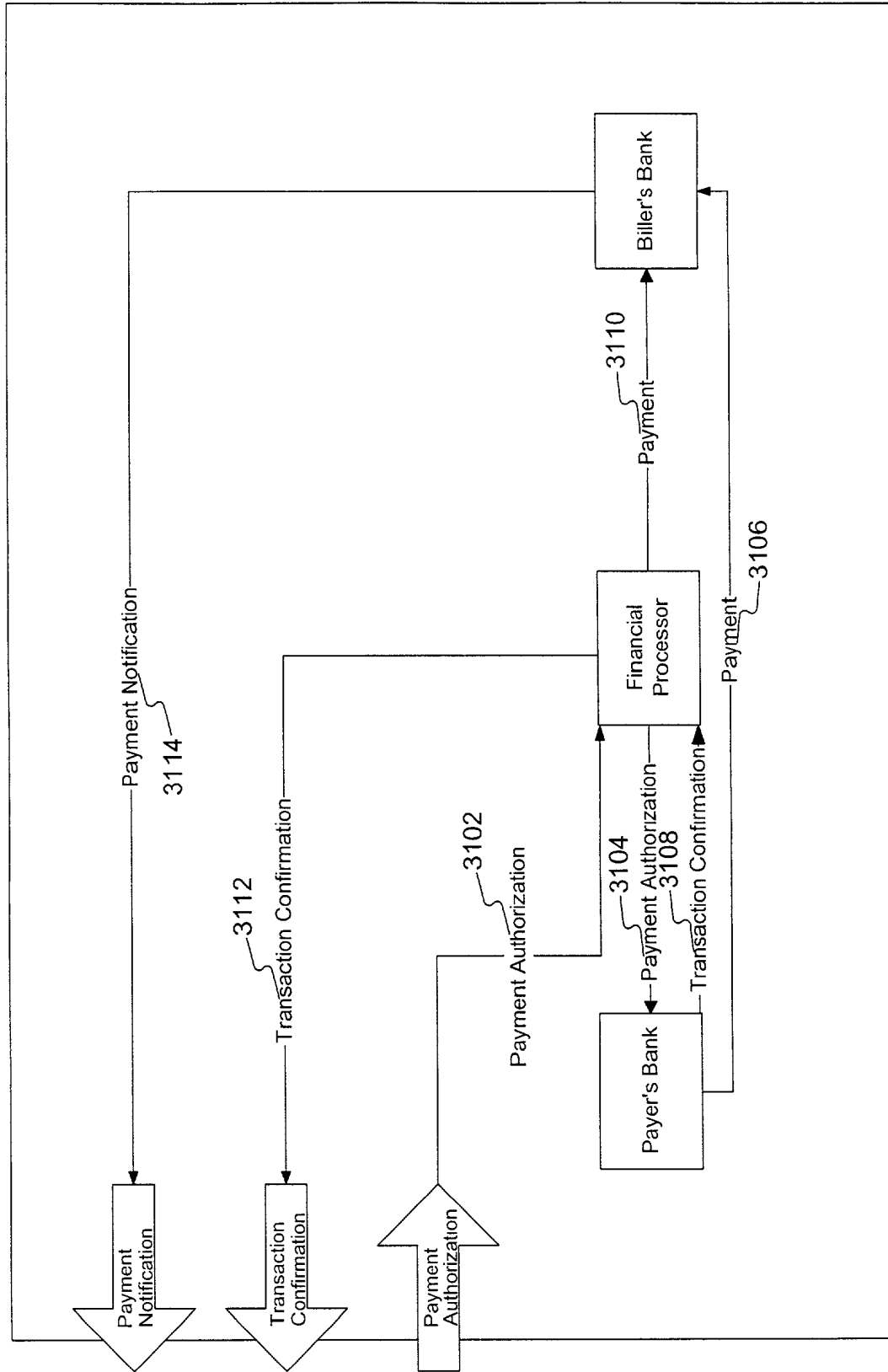


Figure 31



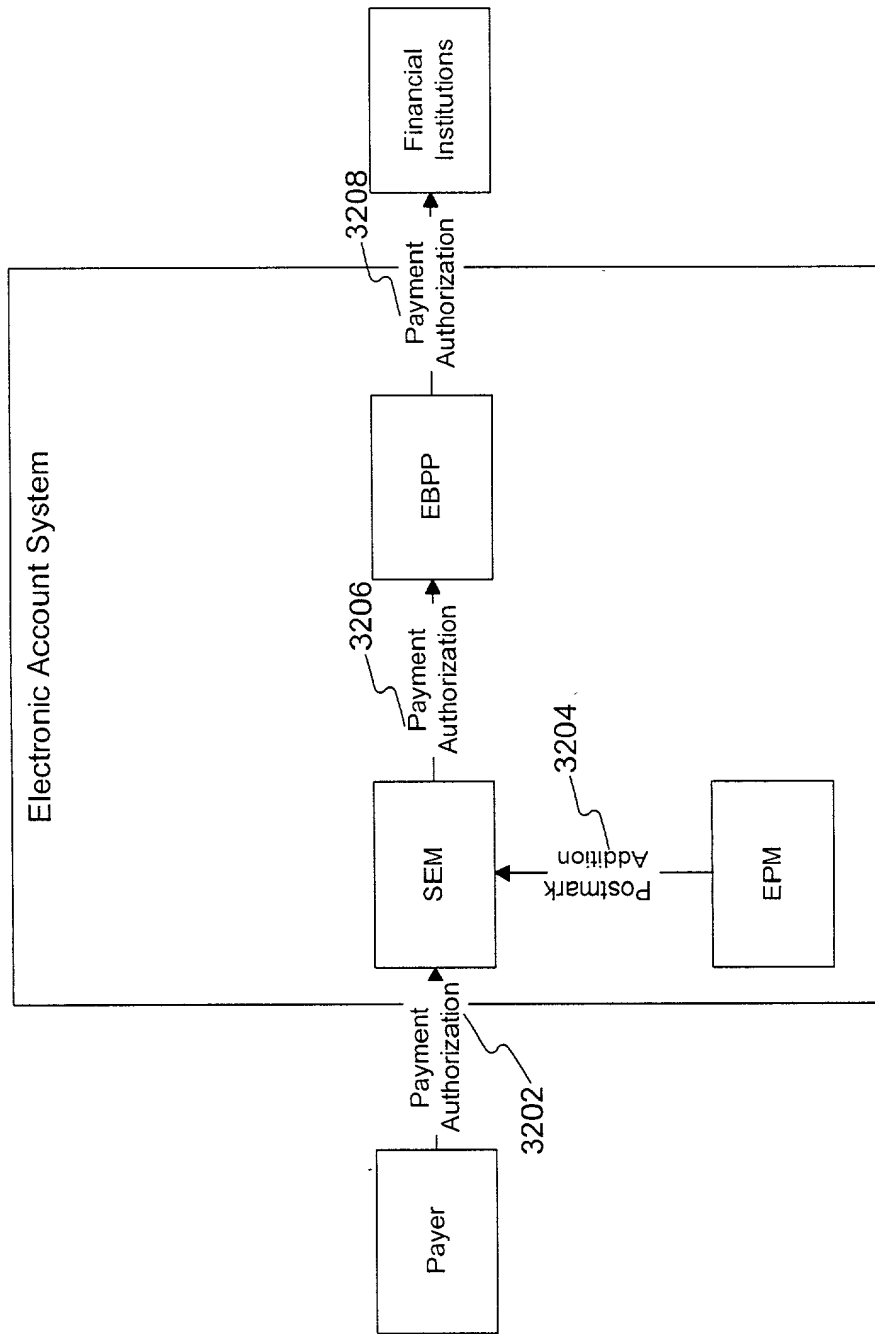


Figure 32

# Bill Payment (Outsourced EBPP Model)

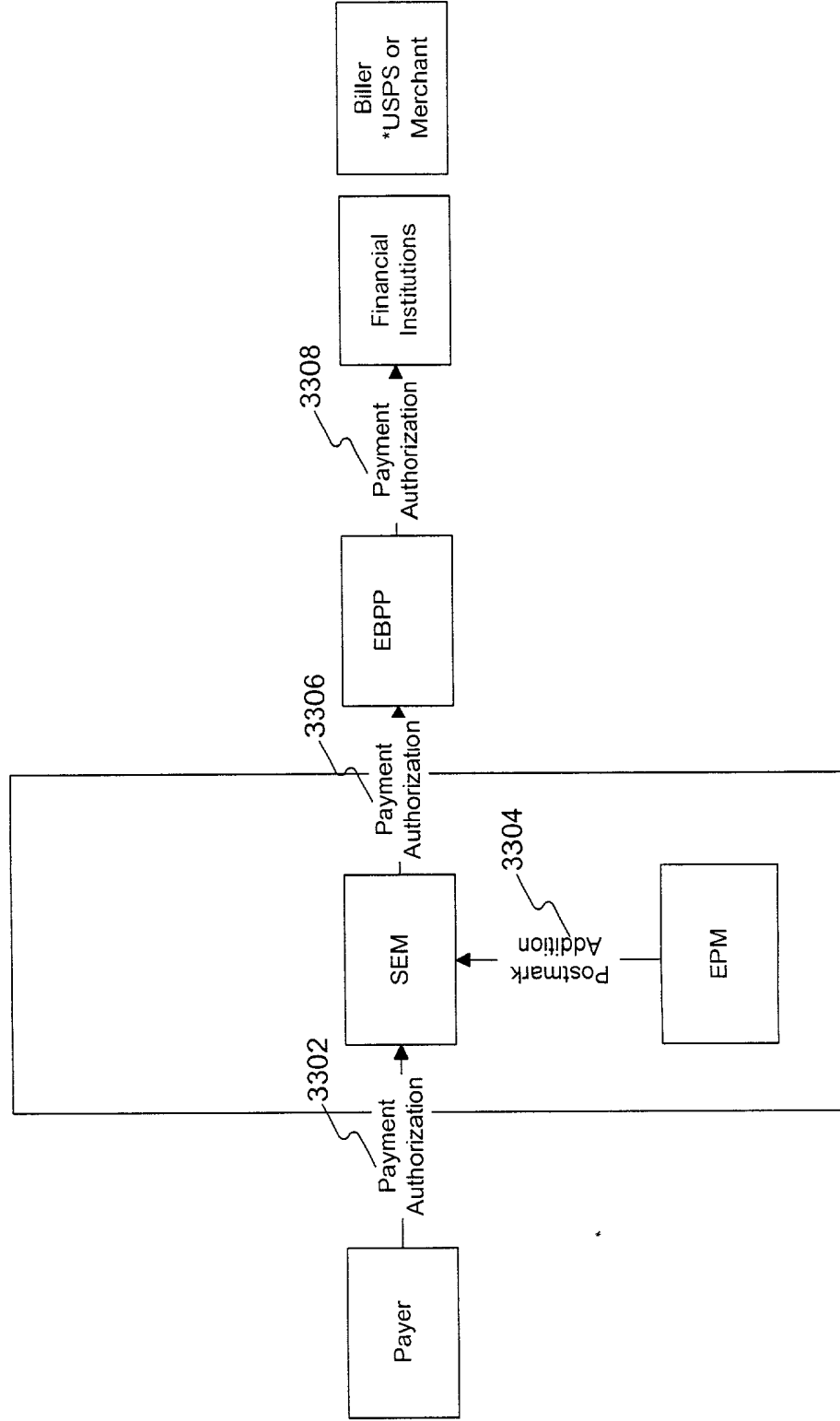
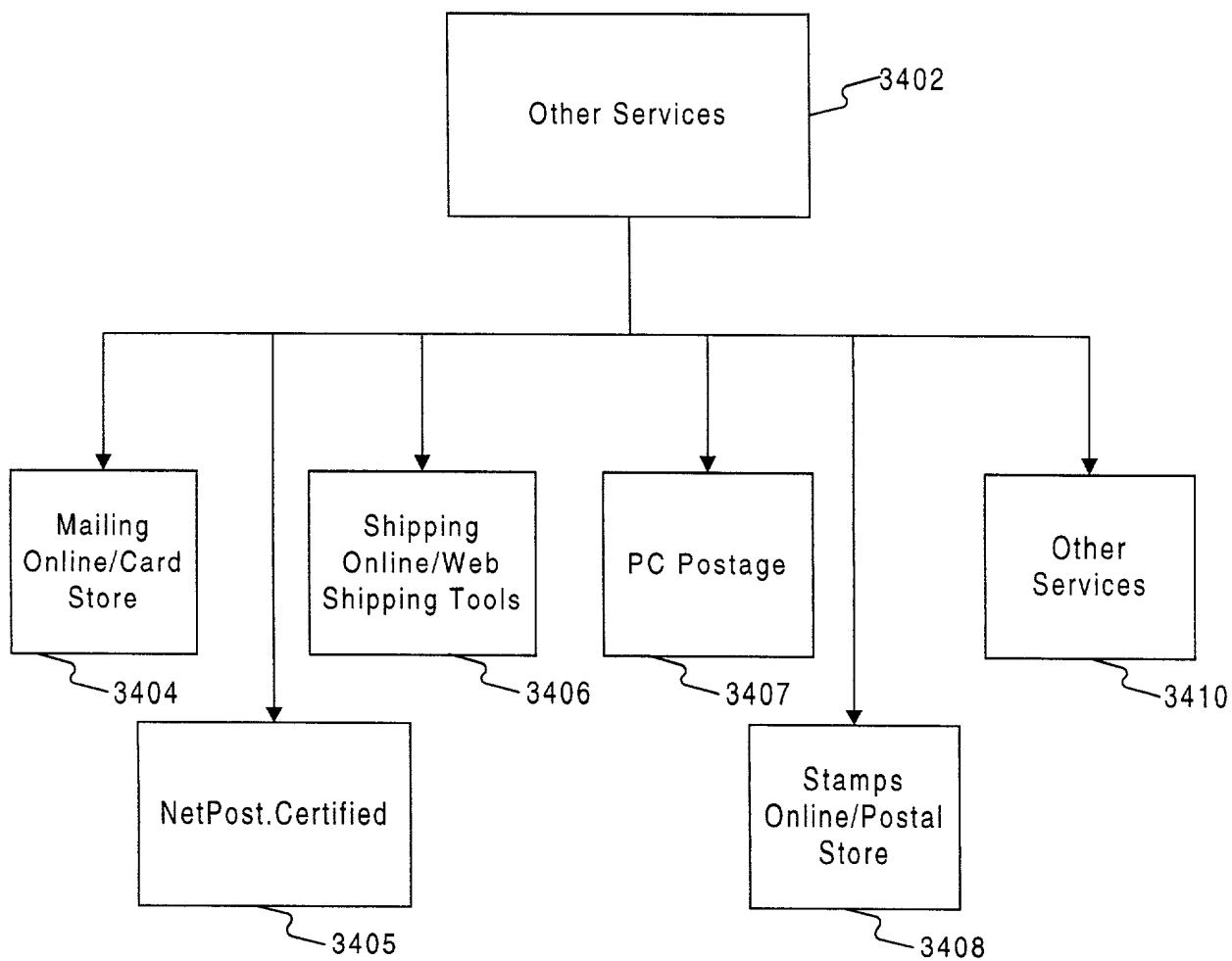
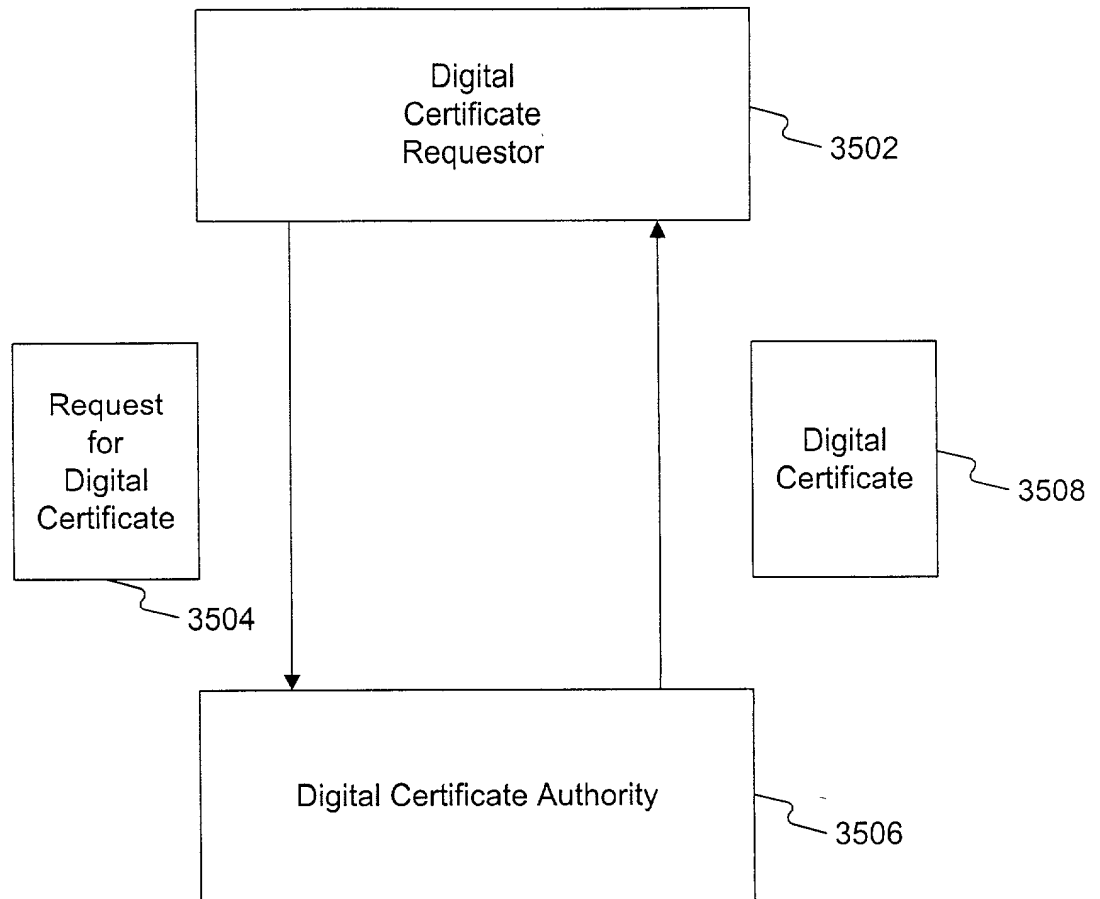


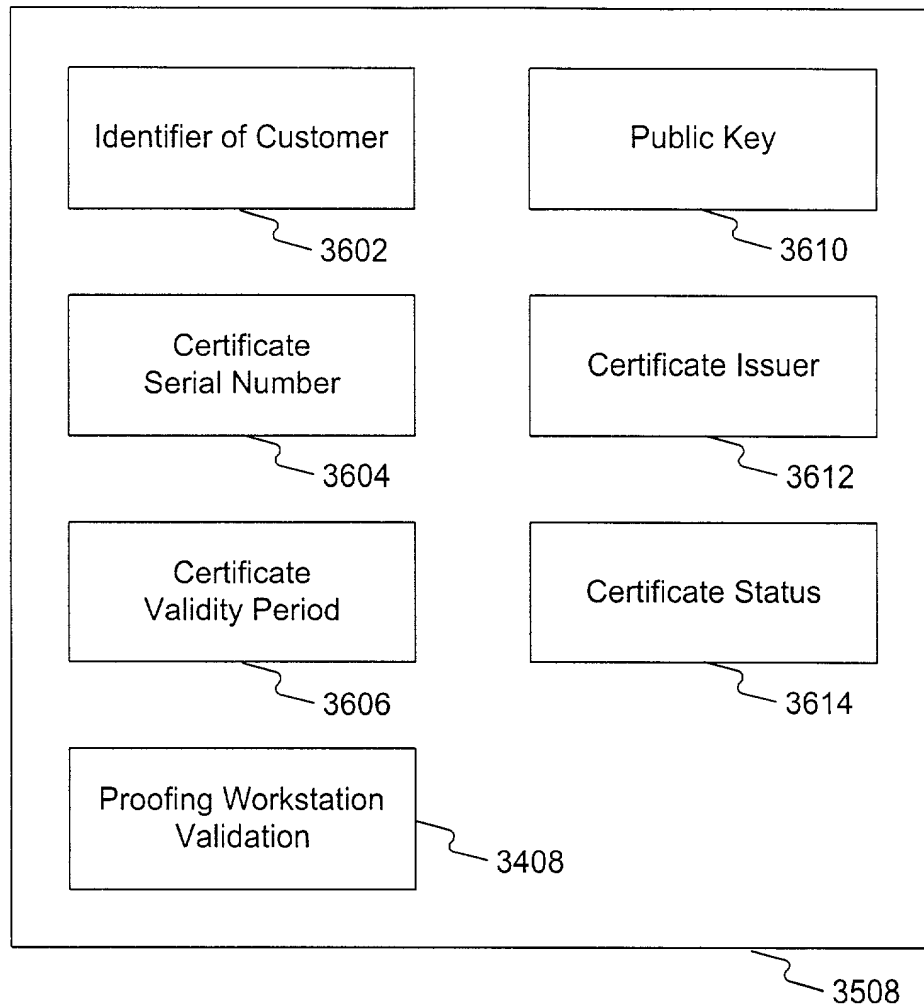
Figure 33



**Figure 34**

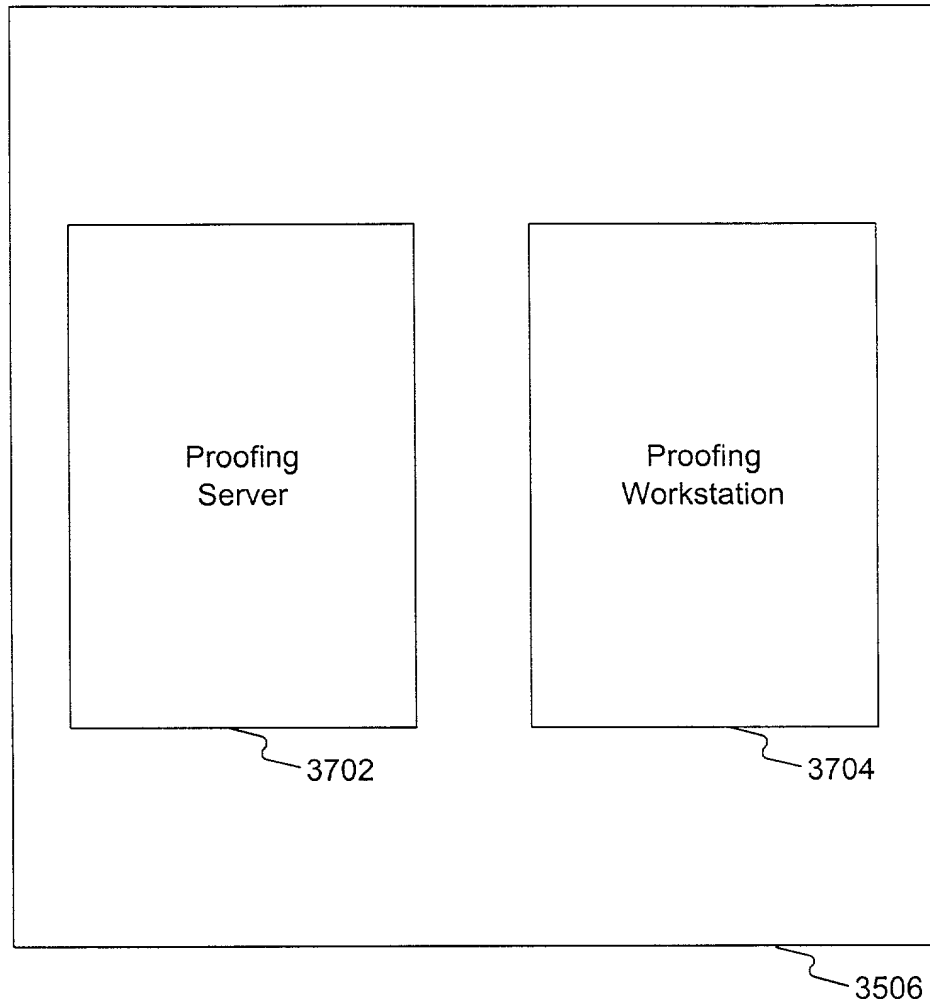


**Figure 35**



**Figure 36**

FIG. 37 is a block diagram of a system 3506. The system 3506 includes a Proofing Server 3702 and a Proofing Workstation 3704.



**Figure 37**

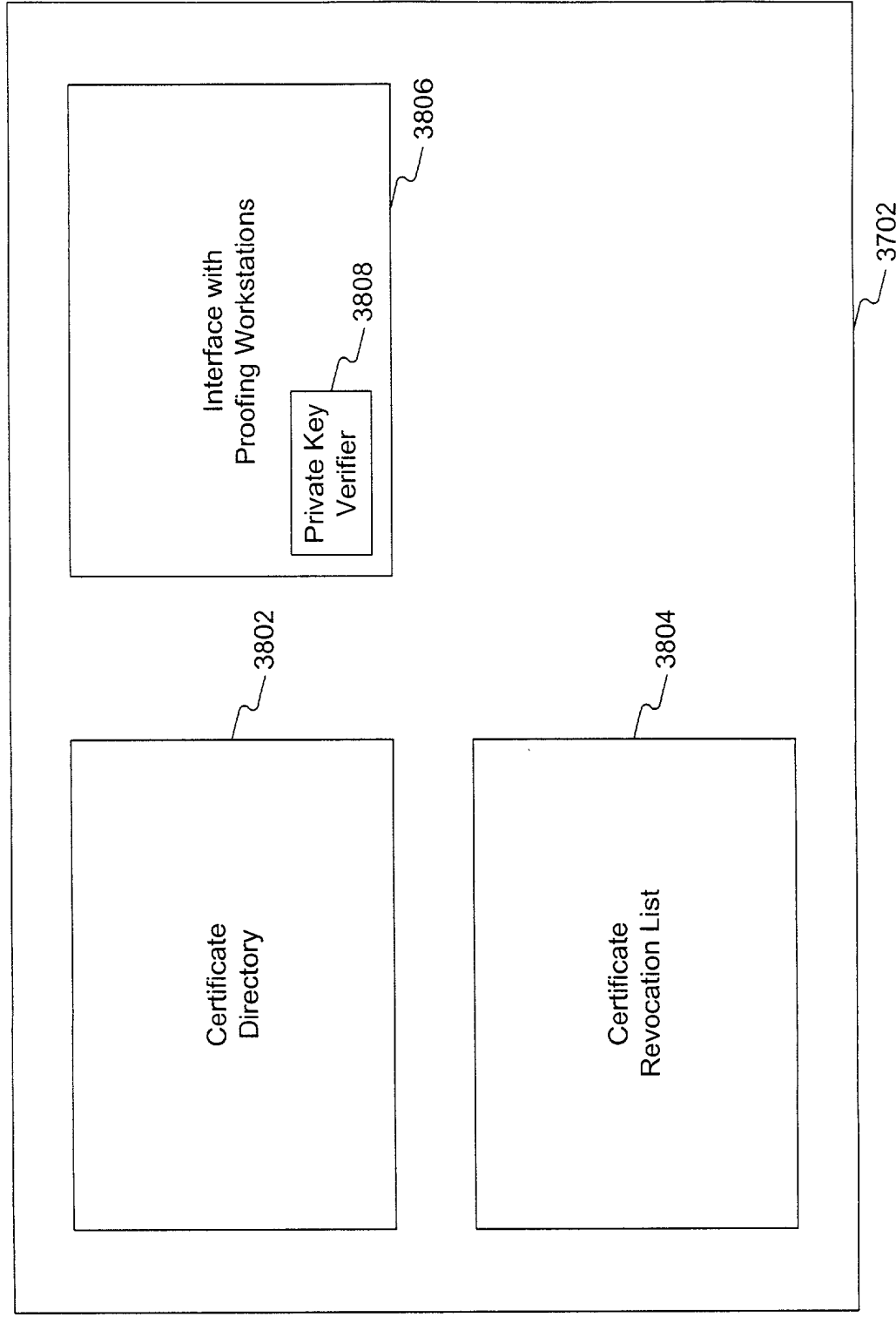


Fig. 38

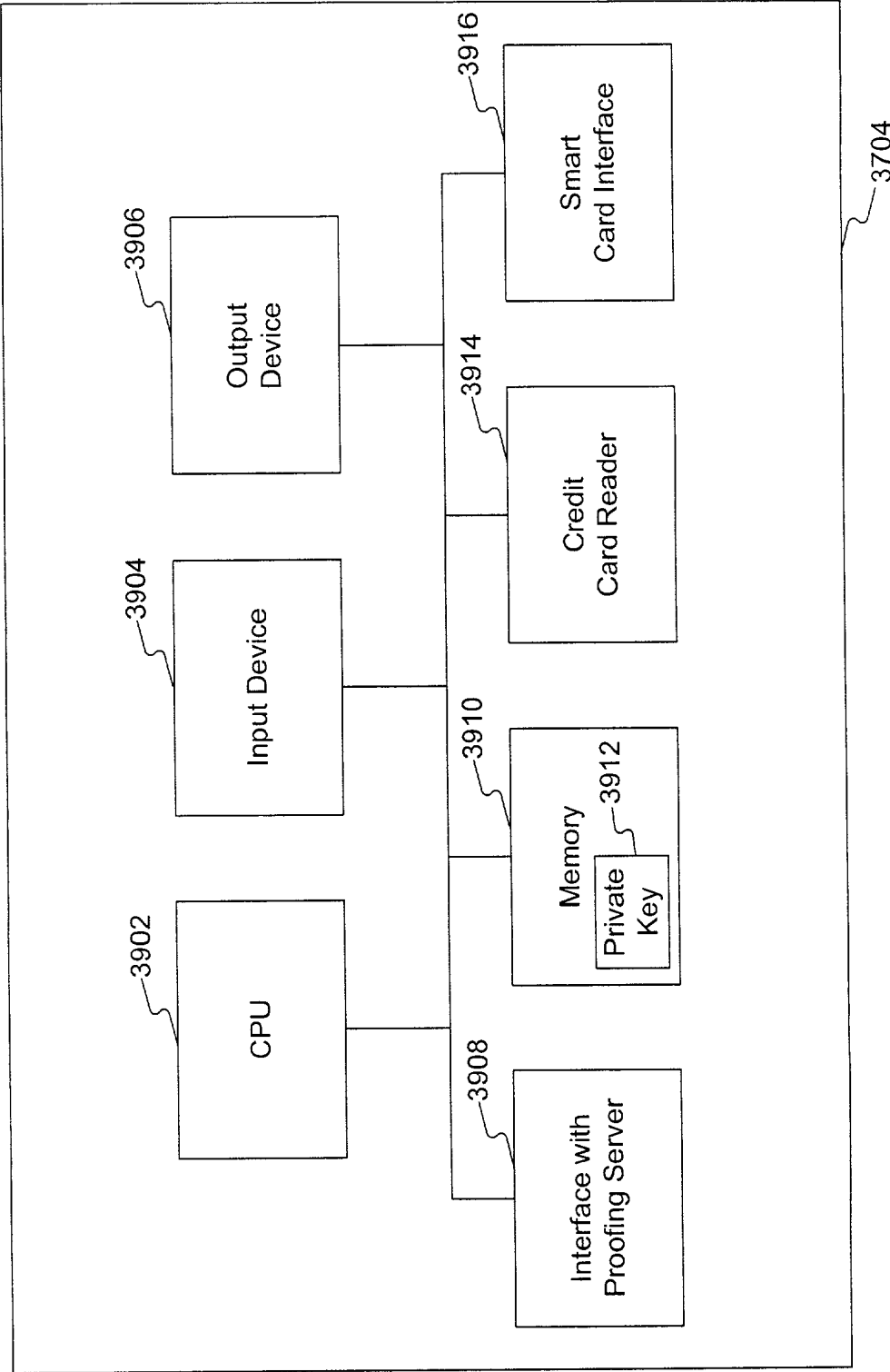


Fig. 39